



SMITHSONIAN
INSTITUTION



UNITED STATES
NATIONAL MUSEUM
BULLETIN 243

WASHINGTON, D.C.

1965

PUBLICATIONS OF THE UNITED STATES NATIONAL MUSEUM

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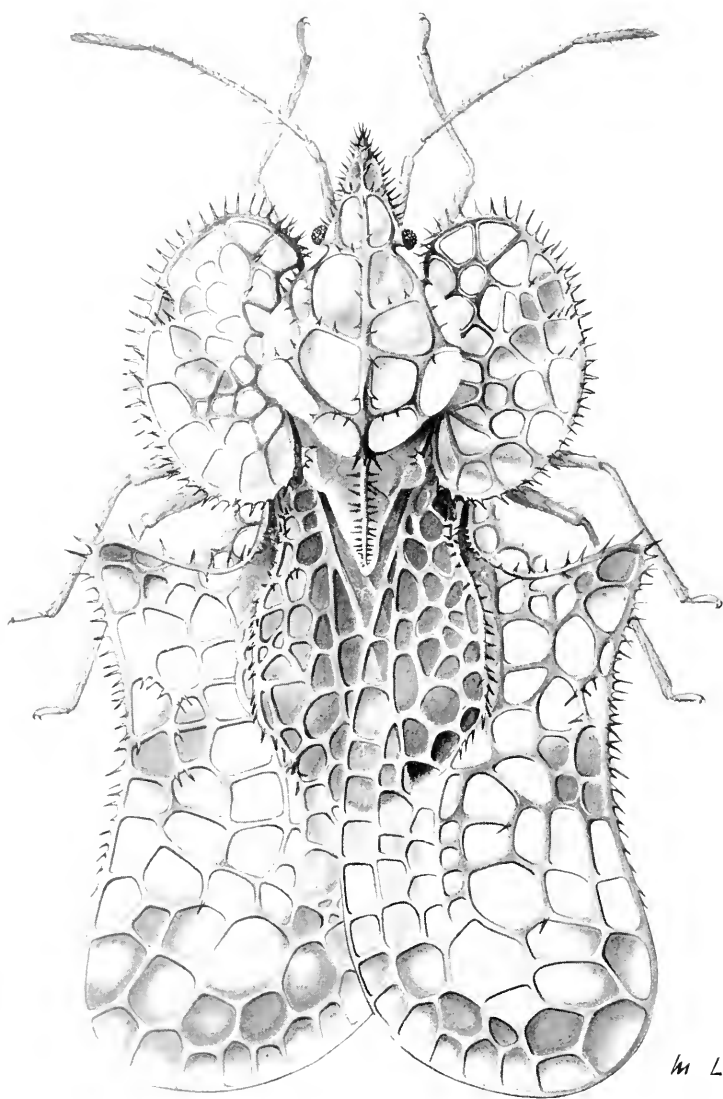
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Since 1902 papers relating to the botanical collections of the Museum have been published in the *Bulletin* series under the heading *Contributions from the United States National Herbarium*.

This work forms number 243 of the *Bulletin* series.

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Director, United States National Museum.



Corythucha championi Drake and Cobben

MUSEUM OF NATURAL HISTORY

Lacebugs of
the World
A Catalog
(Hemiptera: Tingidae)

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WASHINGTON, 1965

CONTENTS

	Page
Introduction	3
Catalog of the Tingidae	22
Species wrongly classified as Tingidae	445
Types and their location	446
Host plants	449
Host plants cited only as common names	479
Literature cited	482
Index	557
Index to host plants	623

Illustrations

FIGURES

1	a, <i>Stephanitis ligyra</i> Drake; b, c, <i>Tingis cardui</i> (Linnaeus).....	5
2	<i>Leptopharsa mira</i> Drake and Hambleton.....	7
3	<i>Vatiga illudens</i> (Drake).....	9
4	a, <i>Gargaphia tiliae</i> (Walsh); b, <i>Cantacader amydis</i> Drake.....	11
5	<i>Phatnoma agviates</i> Drake and Ruhoff.....	13
6	a, b, <i>Cantacader afzelii</i> Stål; c, d, <i>Tingis cardui</i> (Linnaeus).....	15

PLATES

(1-56 follow page 444)

Frontispiece *Corythucha championi* Drake and Cobben

1	<i>Alloeoderes davao</i> Drake
2	<i>Phatnoma pacifica</i> Kirkaldy
3	<i>Phatnoma baltica</i> Drake
4	<i>Zetekella pulla</i> Drake and Plaumann
5	<i>Ceratocader armatus</i> (Hacker)
6	<i>Cantacader tener</i> Bergroth
7	<i>Litadea delicatula</i> China
8	<i>Litadea delicatula</i> China
9	<i>Cysteochila poecilia</i> Drake and Ruhoff
10	<i>Ambotingis senta</i> (Drake and Hambleton)
11	<i>Eteoneus peroronus</i> Drake
12	<i>Alloeocysta approba</i> Drake
13	<i>Epimixia vittata</i> Horváth
14	<i>Agramma onar</i> Drake
15	<i>Lullius spinifemur</i> Drake
16	<i>Perbrinckeia brincki</i> Drake
17	<i>Onymochila dichapetali</i> (Horváth)
18	<i>Copium clavicornis</i> (Linnaeus)
19	<i>Copium clavicornis</i> (Linnaeus)
20	<i>Copium clavicornis</i> (Linnaeus)
21	<i>Copium teucryi</i> (Host)
22	<i>Copium teucryi</i> (Host)
23	<i>Paracopium hamadryas</i> (Drake)
24	<i>Paracopium hamadryas</i> (Drake)
25	<i>Perissonemia emeles</i> Drake and Mohanasundarum
26	<i>Dicrotingis digitalis</i> (Drake)
27	<i>Codotingis evansi</i> Drake
28	<i>Diplocysta trilobata</i> Drake and Poor
29	<i>Hegesidemus otiosus</i> Drake

- 30 *Diconocoris capusi* (Horváth)
31 *Diconocoris capusi* (Horváth)
32 *Australotingis franzeni* Hacker
33 *Australotingis franzeni* Hacker
34 *Dictyla picturata* (Distant)
35 *Dictyla veterna* (Scudder)
36 *Ammianus alberti* (Schouteden)
37 *Ammianus alberti* (Schouteden)
38 *Ammianus dilatatus* (Guérin-Méneville)
39 *Mecopharsa hackeri* Drake
40 *Planibyrsa montei* Drake and Hambleton
41 *Nobarnus signatus* (Distant)
42 *Inoma multispinosa* Hacker
43 *Hyalochiton colpochilus* (Horváth)
44 *Galeatus spinifrons* (Fallén)
45 *Galeatus sinuatus* (Herrich-Schaeffer)
46 *Galeatus maculatus* (Herrich-Schaeffer)
47 *Stephanitis typica* (Distant)
48 *Stephanitis takeyai* Drake and Maa
49 *Holophygdon melanesica* Kirkaldy
50 *Gargaphia sororia* Hussey
51 *Chorotingis indigena* Drake
52 *Ypsotingis luzonana* Drake
53 *Thaumamannia manni* Drake and Davis
54 *Anommatocoris minutissimus* China
55 *Anommatocoris coleopteratus* (Kormilev)
56 A, B, *Anommatocoris zeteki* Drake and Froeschner; C, *Anommatocoris minutissimus*
China

Lacebugs of the World
(*Hemiptera: Tingidae*)

Introduction

THE MEMBERS OF THE FAMILY Tingidae are purely plant-feeding bugs that live mostly on the lower surfaces of the leaves of living plants. The thin lacy outgrowths of the pronotum and the delicate lacelike texture of the forewings (pls. 36, 41, 42) have quite aptly earned for them the common name "lacebugs" all over the world. Expressed polyglotally, lacebugs are called "netzwanzen" or "gitterwanzen" in German, "netwantsen" or "netwerkwantsen" in Dutch, and "chinchas de encaja" in Spanish. The vernacular name in French includes that of the host plant, such as "le tigre du poirier," "le tigre du cerisier," and "le tigre du cafféier."

Systematically, lacebugs are classified in the family Tingidae of the insect order Hemiptera. As cataloged herein, the family consists of 1,820 species arranged in 3 subfamilies and 236 genera. These figures include both living and extinct forms as far as now recorded in the literature; subgenera, subspecies, varieties, and invalid taxa are not included in the totals.

Geographically, lacebugs are widely distributed in the torrid and temperate zones on all continents and on most islands in the oceans. They are unknown in the frigid zones.

Lacebugs are relatively small insects, some nearly miniature in size (pls. 1, 14, 45) and the "giants" seldom exceed one-fourth inch in length (pls. 36, 38). The overall form varies from long and very slender (pls. 15, 16) to extremely wide (pls. 38, 40). Of the ineffable wonders of insect kinds, none surpasses the lacebugs in the diversity and oddities of forms (pls. 28, 30, 49) adorned with fancy lace designs. The lacework is original, specific, and thus peculiar to each kind of lacebug. No two species are ever dressed exactly alike. Only the adult members of the same species are clothed in identical topcoats of living lace. In size, color, markings, and general aspect, there are scarcely any differences in the outward appearances between the sexes. The classification of tribes, genera, and species is based for the most part upon the lacy outgrowths, especially the formations of the pronotum and the elytra (figs. 1-6). The buccal, sternal, and hypocostallaminae (figs. 1A, 3, 4) likewise furnish characterizing features.

Adults and nymphs alike obtain food by piercing the epidermis of the leaf blades of living plants and extracting the sap from the cellular tissue therein by means of the protrusile and retractile stylets operating from a freely movable haustellum. Only the very slender stylets of the mouth parts pierce and enter the leaves to take out the sap on which they feed.

The egg, except in the floral-gall makers, is thrust deeply into the leaf of the food plants almost up to the operculum and coated with a dark brownish adhesive material that soon hardens and forms a protective

coating. After hatching and drying, the nymphs begin to feed at once in small clusters near the empty eggshells and adults. If disturbed and scattered, they will soon reassemble again in a cluster.

Metamorphosis is gradual. The growth and development from egg to the unchanging imaginal stage consists of five instars separated from one another by successive moults. Most species in the temperate zones are uni- or bivoltine and overwinter either in the imaginal or egg stage. Not much has been printed concerning the biology and estivation of tingids in the tropical region.

Many kinds of plants, mostly the terrestrial flowering species, serve as feeding and breeding hosts. All species are rather highly specialized in their food habits, and generation after generation live on the same kind of plant or closely related ones. The life cycle of each species is attuned so that its breeding, egg-laying, and development period parallels in the growing time with that of the unfolding of the foliar (leaf-feeding species) or floral (gall-making species) parts of its host plant.

Much injury and plasmolysis of the foliage always accompanies the feeding activities. Damage to the foliar tissue increases in severity with the hatching of the eggs and development of the broods. Heavily infested leaves become badly discolored, turn yellowish to whitish, wither, and often drop prematurely. Serious losses are effected on many cultivated and wild plants of prime importance in agriculture and horticulture. For example, among the useful plants upon which lacebugs breed and obtain their livelihood are maize, sugarcane, cotton, castor bean, pineapple, papaya, avocado, pear, cherry, olive, tea, pepper, coffee, cinnamon, camphor, cacao, banana, coconut, cassava, rubber, walnut, oak, hazelnut, azalea, and rhododendron.

According to preliminary experiments by Nagaraj and Menon (1956), recent field tests by Shanta, et al. (1960), and by Mathen (1960), the lacebug *Stephanitis typica* (pl. 47) is accused of being a vector of a serious disease of coconut palms in Travancore-Cochin, India. This disease (probably a virus) is called "wilt [root] of coconut palm" and seriously affects each year about one-fourth of the coconut area there under cultivation. *S. typica* is also a pest of consequence on banana, camphor, and other plants in India and the East Indies.

As dwellers on the undersides of the leaves, tingids feed, stand, and rest in a topsy-turvy upside-down position. In this inverted posture, the lacy topcoat serves to conceal the body, obliterate its shadow, and thus functions in ways similar to the nets or screens devised by man to hide and camouflage military installations, equipment, and troops in wartime. Lace curtains hanging over a window provide the same sort of concealment for mankind and objects inside a room. Diaphanous veils are worn to obscure or protect the face. The inherent ability of tingids to stand or "sit" still and then remain motionless for long periods is vital to survival. The least movement by the bug betrays its presence on the leaf.

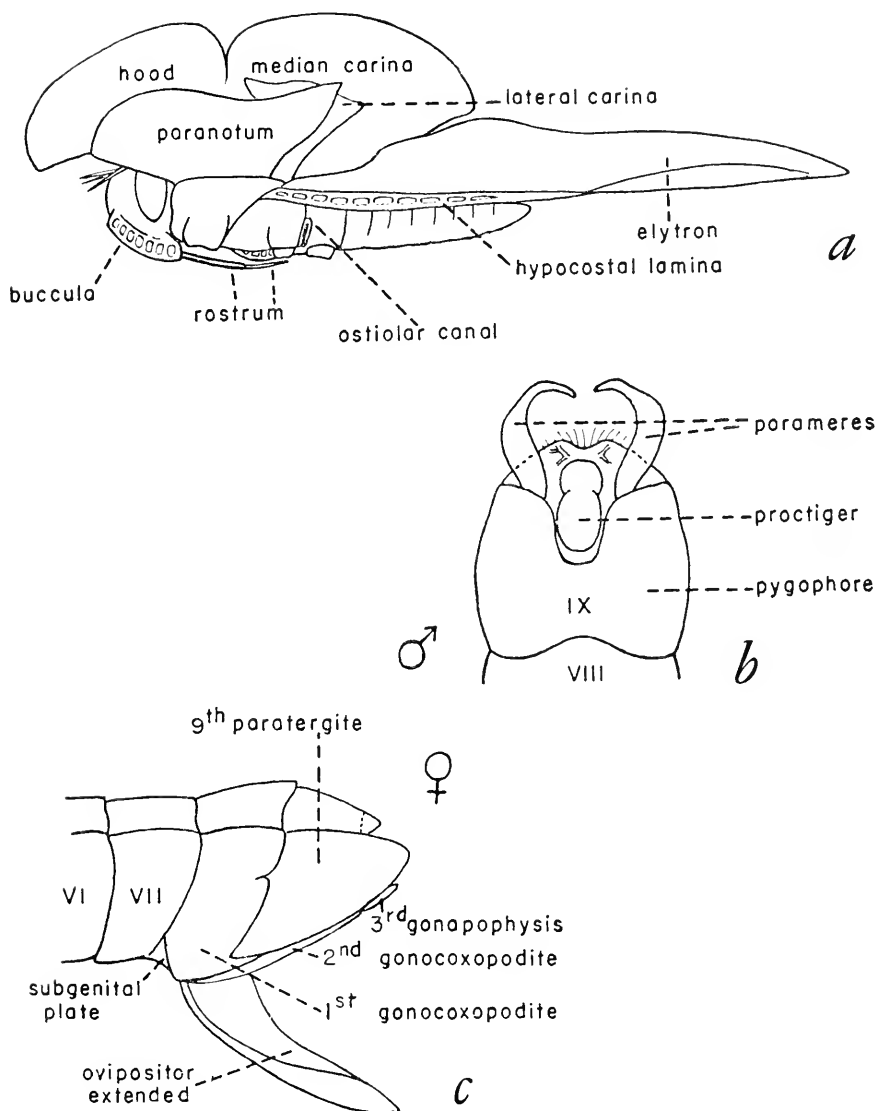


FIGURE 1.—Structures used in classification: *a*, *Stephanitis ligyra* Drake, lateral aspect; *b*, *Tingis cardui* (Linnaeus), ventral aspect of ♂ genital capsule; *c*, same, lateral aspect of ♀ genital segments.

Cryptic coloration enters into the living picture in various ways. In the species of many genera, the paranota and elytra are broadly produced outwardly beyond the body limits (pls. 38, 40, 46). In such forms, the areolae differ in size, shape, and in the degree of iridescence, translucence, and transparency. The areolae in the dark elytral bands

and other color markings often vary in translucence, whereas those in the clear areas are quite hyaline. The thin film of the areolae is usually iridescent. Thus the color of the foliage on which the tingid feeds and rests can always be seen through those windowlike areolae of the topcloak that possess the property of transmitting rays of light.

As the feeding injury develops, the various color changes effected on the leaf—from green through brownish to yellowish white—are likewise reflected through the panelike areolae to the degree that the cells are pervious to light. Lacebugs themselves do not possess any ability to undergo chameleonic changes in color.

The immature stages present an altogether different external appearance in yet other ways than those of the lacy topcoats of their parents. Instead of the network, the dorsal surface of the nymph is smooth and plain (pl. 8) or armed with simple or modified spines of various kinds and sizes (pls. 31, 33, 37). The dissimilarities between the imaginal and nymphal stages are depicted in the illustrations of such forms as *Litadea delicatula* (pls. 7, 8) from Reunion, *Diconocoris capusi* (pls. 30, 31) from Viet-Nam, and *Ammianus alberti* (pls. 36, 37) from Africa, and *Australotingis franzeni* (pls. 32, 33) from Australia.

The ability of the nymphs to crouch low and remain stock-still with their bodies pressed close to the surface of the leaves are characteristics inherited from their parents. Besides these behavioral traits, the castoff skins, eggshells, scattered dots of brownish-black excrement, and the somber color of the body also tend to make them less noticeable. The spines (pls. 33, 37), tubercles, and hairs on the dorsal surface are likewise factors in concealment. The nymphal stages of some species also possess glandular spines.

Neither adults nor nymphs imitate or simulate in color, form, or behavior any animate or inanimate object in their habits. The species, in all life stages, are relatively sluggish, completely defenseless, and without any means or ways to fight back or even the speed needed to evade hungry marauders. To escape enemies, they rely entirely on behavioral features and camouflage.

The feeding activities of some species of lacebugs cause the young foliar leaves of their host plants to curl downwards. According to Horváth (1929), the African tingid *Onymochila dichapetali* (pl. 17) causes extensive leaf-curl on the foliage of its host, *Dichapetalum cymosum* (pl. 17), in the Transvaal. The attack of the Japanese tingid *Tingis comosa* on the foliage of its host plant, *Artemisia* sp., produces a similar type of down-curl (fide Takeya); and, in India, the feeding of adults and nymphs of *Corythauma ayyari* (Drake) produces a leaf-curl on *Jasminum* spp. (fide Livingston). These are the only lacebugs so far known to effect this type of leaf damage and thus may indicate their roles as vectors.

The members of two genera of lacebugs are true gall-producing insects.

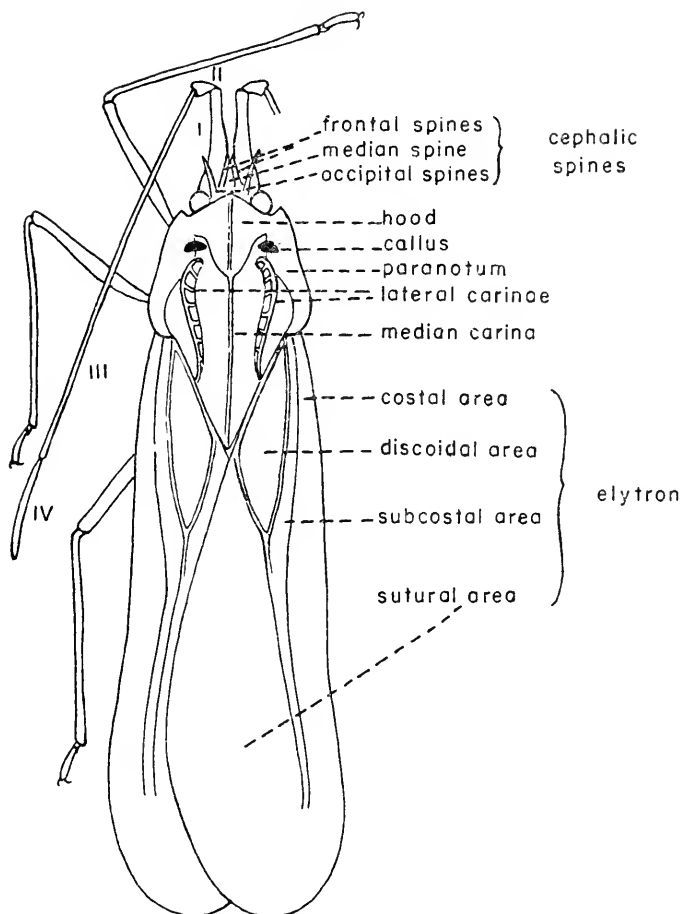


FIGURE 2.—Structures used in classification: *Leptopharsa mira* Drake and Hambleton, dorsal aspect.

The offspring, from the neonate nymph to full maturity, are confined in closed, one-celled chambers. Only the genera *Copium* and *Paracopium* of the tingines are producers and dwellers in closed galls. These genera are represented in many countries in the Old World, but are unknown in the Americas.

The gall-making lacebugs are anthophagous and induce most profound reactions on the flowers they affect. In marked contrast to the foliar feeding species that live open and free on the foliage, the gallicolous tingids cause the host plant to produce malformations known as flower cecidia or galls (pls. 20, 22, 24), within which the nymphal stages live, feed, grow and moult until they attain the imaginal stage. From a domiciliary standpoint, the closed gall forms a safe shelter and luxuriant abode for the

progressive development of the immature stages. There is no reduction in the size of the legs and antennae (pls. 18, 21, 23) in the cecidogenous tingids as compared with those of free-living species (pls. 10, 11, 26).

The conformation and structure of the eggs and the method of oviposition of members of the genera *Copium* and *Paracopium* differ notably from those of the tingids that do not produce galls. According to the observations of Monod and Carayon (1958) the egg of *C. cornutum* (now *clavicorne*) has a campanular or domelike operculum, whose surface is smooth like that of the body of the egg. The time and method of laying and the fixation of the egg to the corolla are connected with floral cecidogenesis. During the laying operation, the egg is turned end for end (180°) so that the opercular pole is inserted in the corolla. Conversely, the abopercular pole is thrust into the tissue of the living leaf by the nongall-making lacebugs.

Two and a quarter centuries ago the gifted naturalist René A. F. Réaumur (1737) of France wrote a classic account of an insect that produced galls on the flower buds of the plant "camedrys." He included figures of the gall and other parts of the plant as well as those of the adult and last nymphal stage of the insect that produced the galls. After opening many galls, Réaumur recorded that each gall formed a one-celled chamber and confined therein was a single insect, either in the nymphal or adult stage. Years later, Geoffroy (1762) published a similar article about the same insect and its unichambered gall on the inflorescence of "chamaedras." In the 12th edition of his "Systema Naturae," Linnaeus (1767) cited the above references, clearly authenticating the identity of the species previously named and described by him as *Cimex clavicornis* (now in the genus *Copium*) from Europe. Historically, this is the first gall-making lacebug to be technically named and described (pls. 18, 19).

The tingicecidium is an abnormal growth or excrescence of the corolla of the flowerbud (pls. 20, 22, 24). The hypertropic growth contains a fairly large, closed, monothalamous cell, or chamber. The immature stages of the lacebug are confined therein from hatching until the completion of metamorphosis. At that time, the gall itself has also reached full maturity and bursts open naturally by dehiscence at the tip, thus setting free its haustellate inmate (*Copium* spp.) or inmates (*Paracopium* spp.). The adults, after escaping from the gall, become free-living like the leaf-feeding species.

An examination of 100 nearly mature cecidia of *Copium clavicorne* (pl. 20) and an equal number of galls of *C. teucrii* (pl. 22) showed each cecidium of these species to be one-chambered and inhabited by only one tingid in either the last nymphal or newly emerged imaginal stage. The cecidia were preserved in alcohol as picked in the field from the host plant, *Teucrium chamaedrys*, in Austria. Although the galls examined were almost fully grown, they were still tightly closed and showed no external signs of dehiscence.

The adults of *C. teucrii* (pl. 21) and *C. clavicorne* (pl. 18) are very similar in

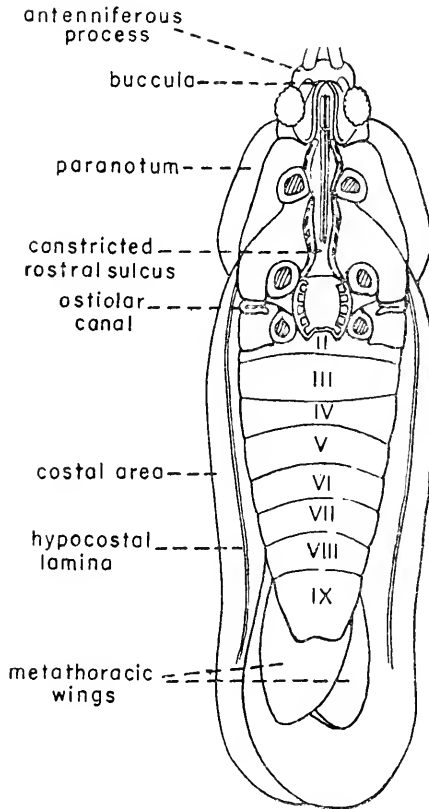


FIGURE 3.—Structures used in classification: *Fatiga illudens* (Drake), ventral aspect.

size and habitus, and their separation from each other is based largely on the antennal characters of the adults. The last nymphal stage (pl. 19) also furnishes additional characters in the pronotal carinae. However, the cecidia (pls. 20, 22) of these two species are very dissimilar and thus provide much better distinguishing characters than those of either the nymphal or imaginal forms.

The dissection of 9 nearly mature cecidia of *Paracopium hamadryas* (pl. 24) from Malagasy showed each cecidium to be monothalamous, closed, and to contain from four to seven lacebugs in the last nymphal and adult stages. A census of nine galls gave these figures: 2 galls with 2 nymphs and 2 adults; 3 galls with 3 nymphs and 2 adults; 2 galls with 3 nymphs and 3 adults; and 2 galls with 3 nymphs and 4 adults. These figures give an average population of 5.4 lacebugs per gall. From one to three young larvae of nolid moths, assumed to be scavengers, were found in four cecidia. The genera *Copium* and *Paracopium* comprise a total of 45 species (10+35) and, insofar as known, are all gall-forming tingids.

Lacebugs are no new creations. According to the geological time calendar, the petrified forms found in stone (pl. 35) and moulds engulfed in amber (pl. 3) represent bygone species that lived many million years ago. No present-day lacebug is also known as a fossil. As the illustrations depict, the extinct species as well as the forms living today wore topcoats of living lace. Although specifically different from the living forms, the zoolithic *Phatnoma baltica* (pl. 3) and *Dictyla veterna* (pl. 35) are typically members of these respective genera that were erected to hold living species (pls. 2, 7). Both of the genera are represented today by members of modern species in the Old and New Worlds.

The present picture of the fossil tingids, because of the imperfect state of our knowledge, is much confused and in need of specific and generic revision. Four forms, each described simply as "*Tingis* sp." are without trivial names and probably do not even belong to this genus. Bachofen-Echt (1949, fig. 160) published an excellent photograph of an unidentified amber lacebug which may be *Phatnoma baltica* Drake (1950) described in Baltic amber.

The lacebug species common to the Old and New Worlds are numerically low, totaling only nine species. A digest of the literature and studies of numerous collections have so far not revealed evidences of any natural faunal exchange through migration in either direction. Apparently, all the tingid species shared similarly between the two worlds made the sea voyage by ships of various kinds in transoceanic commerce. Paleontologic and chorologic data disclose no evidences of the so-called Amphiatlantic or Westarctic distribution in the Tingidae, and collections from eastern Siberia and northwestern North America (Alaska and Canada) have not as yet disclosed a single species common in these regions, even among the muscicolous genus *Acalypta*. The members of the latter genus are among the northernmost Tingidae in these regions. Apparently, perhaps, even in the present era, the Bering Strait plus unfavorable biotic factors such as low temperature and floral composition have formed a natural barrier for tingids between the Asian and North American continents.

Ballast materials, used quite extensively on sailing vessels in the colonial times, played a significant role in the transportation and introduction of certain kinds of insects and other invertebrates as well as many plants into North America from Europe (Lindroth, 1957). However, our studies of the tingifauna collected at various times in the vicinity of ballast-dumping sites near old seaports along the Atlantic and Pacific coasts of North America indicate that earthen and other sorts of ballast seem to have played no findable part in the hemispheric exchange of Tingidae.

Caloloma uhleri Drake and Bruner is an Australian indigene originally described from the West Indies (Antigua, Lesser Antilles). Specimens received recently from the Windward Islands (Saint Vincent) show that this lacebug has become established in the West Indies. From its native

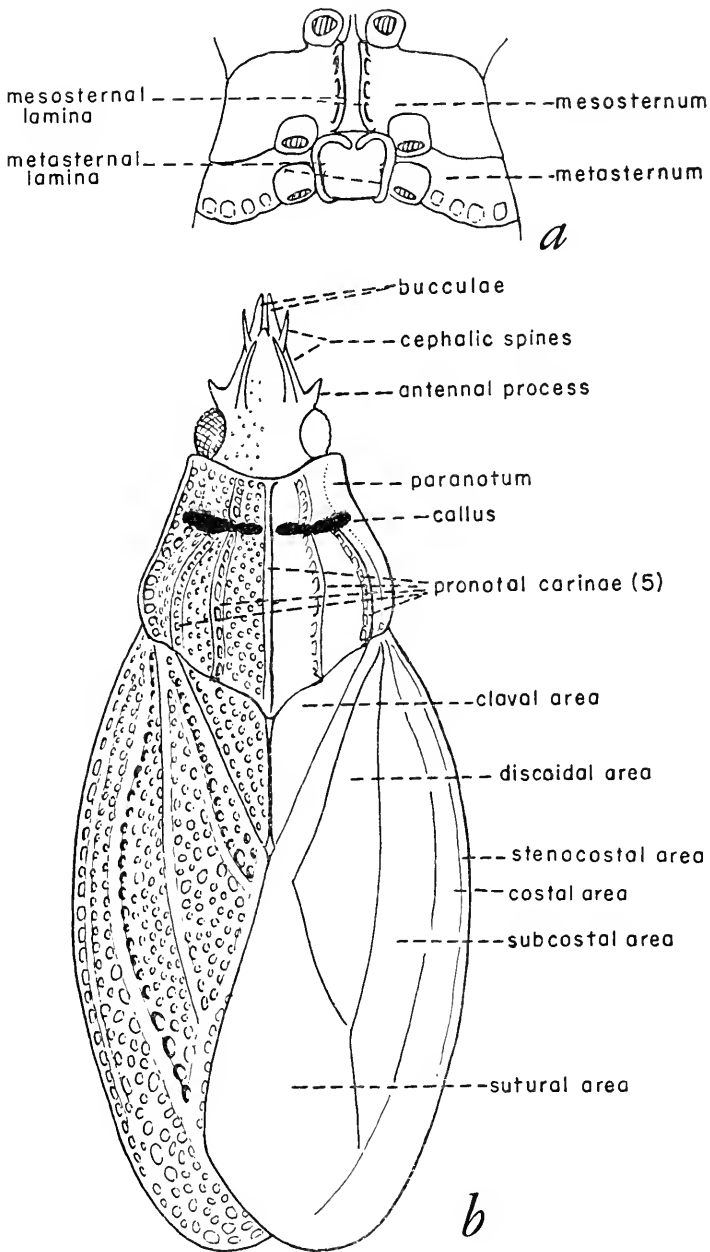


FIGURE 4.—Structures used in classification: *a*, *Gargaphia tiliæ* (Walsh) interrupted rostra channel on metasternum; *b*, *Cantacader amydis* Drake, dorsal aspect.

home far away, we have specimens from Queensland, New South Wales, and South Australia. This is the only known Australian tingid colonized in the Americas.

Contrary to the usual statements, *Stephanitis rhododendri* Horváth is indigenous in the United States and Canada. It is not a European element transported to North America from Holland as generally credited. Museum specimens bearing locality and collecting dates prove that the rhododendron lacebug was widely dispersed in eastern and central parts of the United States and in southern Canada at the time the species was originally described from Holland. This indigeneity of *rhododendri* is in agreement with the findings and hypothesis proposed by Johnson (1936) relative to its native patria. Furthermore, in general aspect, *rhododendri* is systematically nearer to *S. blatchleyi* Drake of Florida than it is to members of this genus in the Old World, or even to its South American congeners. Shipments of nursery stock of the decorative rhododendrons and azaleas account for its disjunct, synanthropic dispersion in the Old World. Since the tingid *rhododendri* and also *pyrioides* overwinter in the egg stage, the ericaceous hosts with persistent leaves serve as insidious conveyors of the eggs in plant shipments.

Teleonemia scrupulosa Stål is indigenous in Mexico, West Indies, Central and most of South Americas. It was experimentally introduced in the Hawaiian Islands from Mexico for the "biological control" of the noxious lantana plant. As a result of the Hawaiian tests, *scrupulosa* was intentionally transported and released in numbers for the same biological end in the East Indies, Australia, India, and Africa, where it is now firmly colonized and becoming widely spread. This is the only tingid species employed in the biological control of troublesome plants and, furthermore, the only New World lacebug intentionally imported into the Eastern Hemisphere. No lacebug has been purposely introduced into the Americas from the Old World.

Corythucha morrilli Osborn and Drake, a recent overseas transport into the Hawaiian Islands, is a native of southwestern United States, Mexico, Central America, and the West Indies. Records indicate that it was probably accidentally included in shipments of nursery plants from southwestern United States to Hawaii.

Tingis auriculata (Costa), indigenous in several European countries, was collected by Uhler many years ago in Maryland and has not been taken there since. It probably was unable to self-maintain its population in eastern United States.

Dictyonota tricornis (Schrank) is an indigene in many countries in Europe, central Asia, and northern Africa. Although discovered in eastern Canada and New England States a half a century ago, its increase and spread for an introduced species have been slow. The North American specimens from

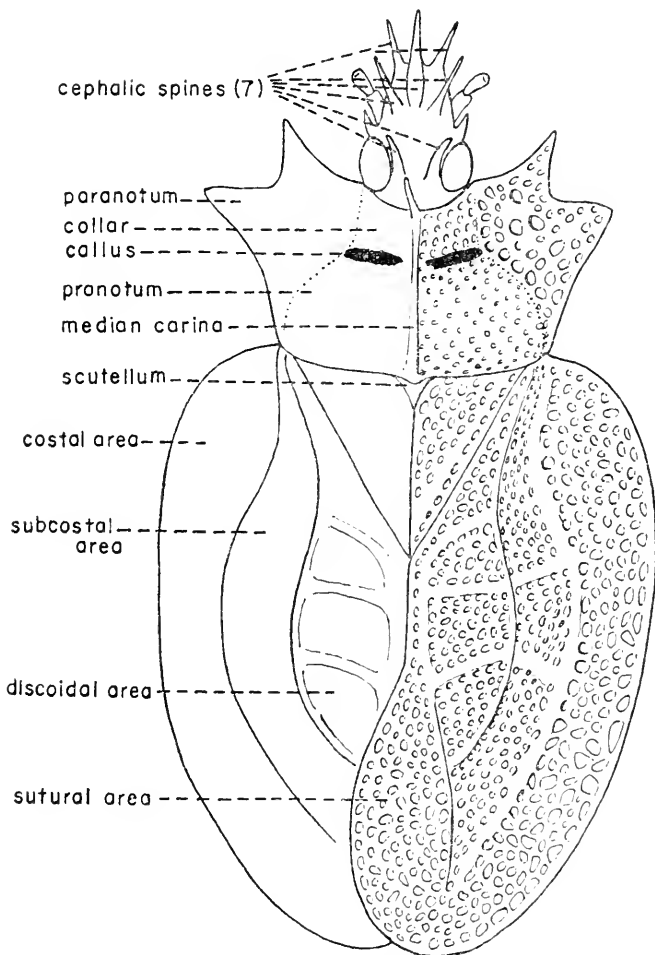


FIGURE 5.—Structures used in classification: *Phatnoma agviates* Drake and Ruhoff, dorsal aspect.

Nova Scotia and Maine are typical *tricornis* and not a variety or subspecies as described.

Dictyonota fuliginosa Costa is indigenous in several countries in eastern Europe. Scudder (1960) recently collected several specimens on broom in western Canada (British Columbia), probably introduced there on nursery stock several years ago.

Stephanitis pyrioides (Scott), originally described from Japan, is an Asian indigene and globally known as the azalea lacebug. Its synanthropic dispersal, like that of *S. rhododendri*, is associated with the wide culture and importation of azaleas and rhododendrons, both greenhouse and landscape forms and varieties, and likewise is closely bound to its ericaceous hosts.

Records show that *pyrioides* was first introduced into Europe from Japan and then later into North America either from Europe or Japan, or perhaps both. Through the transportation of nursery stock, *pyrioides* has also gained entrance into Morocco, South Africa, and Australia.

Stephanitis takeyai Drake and Maa (pl. 48) is a Japanese indigene rather recently imported into eastern United States, apparently on nursery stock from Japan. It is known from Connecticut and New Jersey in the United States.

Galeatus spinifrons (Fallén) (pl. 44), originally described from Sweden, is indigenous in many countries in Europe and Asia. It was the first lacebug accidentally transported into North America (probably New England or Newfoundland) from Europe. The synonymy of *G. angusticollis* Reuter and *G. spinifrons* (Fallén) of Europe and of *G. peckhami* (Ashmead) and *G. uhleri* Horváth of the United States and Canada gives the survivor *spinifrons* circumglobal distribution. It is the only tingid species that has encircled the world in distribution. In Europe and Asia, both macropterous and brachypterous forms are fairly common, whereas an examination of more than 500 specimens (all long-winged) from northern United States and southern Canada, indicates that perhaps only the homozygous, macropterous form was probably imported into northern United States. *Galeatus* is an Old World genus, and *G. spinifrons* is pterygopolymorphic in Eurasia.

Founded on morphologic structures from a global concept, Drake and Davis (1960) proposed the superfamily Miroidea Hahn to hold the families Tingidae Laporte and Miridae Hahn, and then systematized the Tingidae into the subfamilies Cantacaderinae Stål, Tinginae Laporte, and Vianaidinae Kormilev. In consummating these hierarchic changes, the subfamily Agrammatinae Douglas and Scott (formerly Serenthinae Stål) was suppressed as a synonym of Tinginae and the rank of the family Vianaididae Kormilev was lowered to that of subfamily and then, along with its generic taxa in totality, transferred to the Tingidae. The superfamily Miroidea falls in the higher hierarchial Cimicomorpha (Leston et al. 1954).

For almost a century, catalogs, synopses, textbooks, and other publications had either treated the Piesmatidae as a subfamily of Tingidae (Stål 1874, Horváth 1906) or as a separate family. Reuter (1912, pp. 49, 56) classified the Piesmatidae and Tingidae together in the superfamily Tingitoidea. Recently, Leston et al. (1954) and Drake and Davis (1958, 1960) have clearly shown that these two families are not so closely related to each other and that they belong to different familial groups, the Piesmatidae to the Pentamorpha and the Tingidae, as stated above, to the Cimicomorpha. Among the structural differences between these families, it should be noted that the Piesmatidae (genus *Piesma*, ventral sterna V, VI) possess trichobothria on the underside of the abdomen, whereas trichobothrial hairs are lacking in the Tingidae.

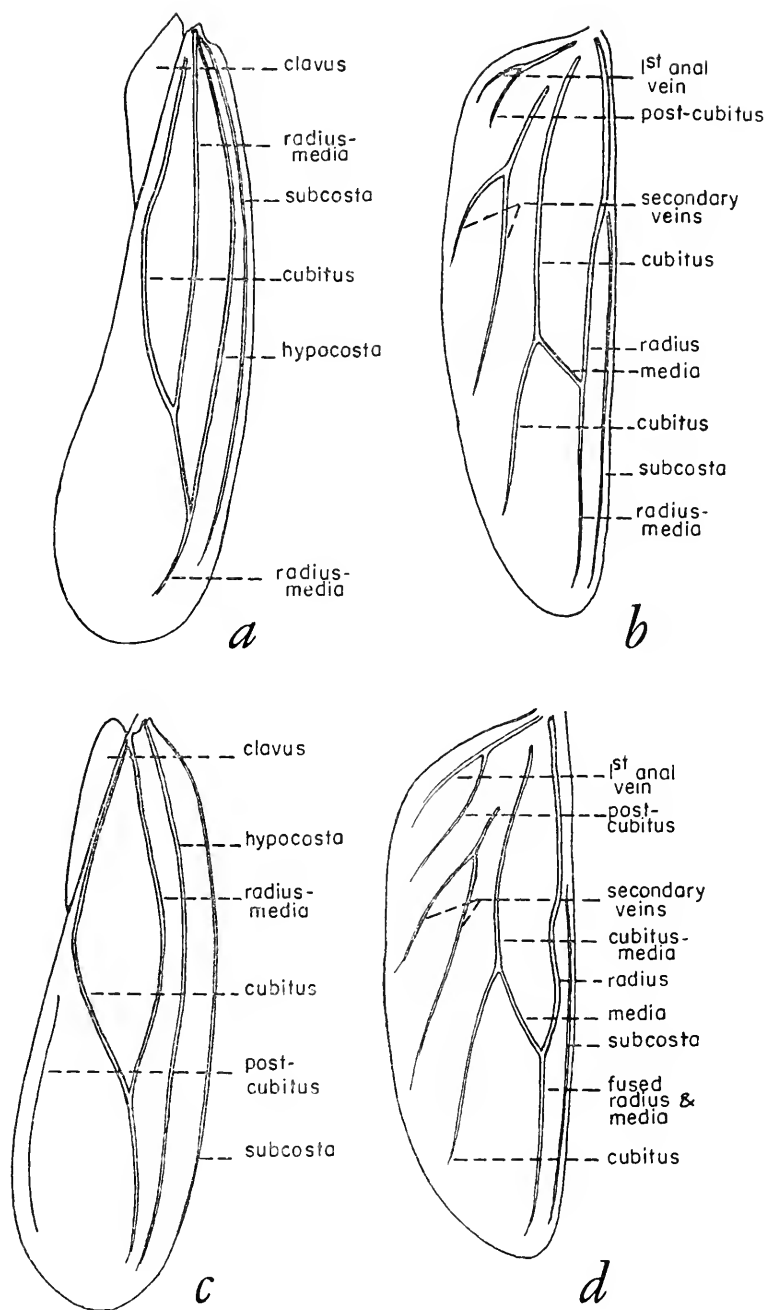


FIGURE 6.—Structures used in classification: *a*, *Cantacader afzelii* Stål, venation of forewing; *b*, same venation of hindwing; *c*, *Tingis cardui* (Linnaeus), venation of forewing; *d*, same venation of hindwing.

The subfamilial and tribal keys are based upon fully mature specimens, are worldwide in scope, and use only those structural features that apply equally well to individuals of all species regardless of sex, brachyptery (pls. 1, 45) or macroptery (pl. 46), and distribution. As dichotomized herein, the authors have embodied the higher categories formulated by Drake and Davis in their basic treatment of the Tingidae.

For the sake of uniformity in tingitaxonomy, the structures (figs. 1-6) customarily used in the description of species, genera, and in the formation of taxonomic keys are semidiagrammatically figured with their respective technical names affixed. Some nymphs (pls. 31, 33, 37) and many adults (pls. 2, 43, 52, 54) are illustrated to depict clearly the habitus of representative forms found in various subfamilies and tribes.

Key to Subfamilies of Tingidae

1. Dorsal surface finely to coarsely punctate, never lacelike; compound eyes vestigial, each with a small number of poorly developed, usually scattered ommatidia; antenna with segment I shortest, II and III nearly equal, IV longest; pronotum without discal carinae, each lateral margin above with a very narrow low ridge; scutellum fairly large, triangular, exposed; ostiole and furcated ostiolar canal unusually prominent, somewhat Y-shaped, the vertical sulcus furnished with a backward projecting branch; evaporatorium enormously developed, covering entire metapleuron, hind part of mesopleuron, and then extending downward on the respective thoracic sterna to the laminar ridge of rostral sulcus; abdominal sterna II through IV fused, other sterna free. Macropterous form unknown. Myrmecetophiles (pls. 53, 54, 55, 56).

Subfamily VIANAIDINAE Kormilev (p. 443)

- Dorsal surface finely to coarsely lacelike; compound eyes fully developed; each with a large number of normal ommatidia; antenna with segment I slightly to much longer than II, II usually shortest, sometimes I and II subequal, III customarily longest, rarely III and IV subequal lengthwise, IV commonly moderately long; pronotum rarely noncarinate (pl. 1), almost always carinate with carinae present in combinations of one (pls. 4, 14), three (pls. 3, 5, 9), or five (pl. 6); scutellum small, exposed (pl. 2) or concealed (pls. 10, 12, 13) beneath hind margin or backward process of pronotum; ostiole and ostiolar canal of each metapleuron either present or absent, when present (figs. 1a, 3) with a slightly arcuate, nonbranching, nearly vertical canal, without distinct evaporatorium; abdominal sterna II and III fused, other sterna free. Pterygopolymorphic forms found in many species. 2
2. Head always long, much produced in front of compound eyes, nearly porrect, unarmed or armed with one to nine tubercular or spiniform processes; bucculae long, wide, straight, with anterior ends extending forward beyond apex of clypeus, or shorter with ends curved inward and more or less meeting mesad in front of labium; antenna with segments I and II always short, apex of latter not reaching apex of clypeus; pronotum rarely noncarinate (pl. 1),

usually carinate with carinae arranged in combinations of one (pl. 4), three (pl. 5), or five (pl. 6); hind margin of pronotum little produced backward, wide, slightly sinuately or obtusely angulately truncate, never triangularly prolonged backward; scutellum small, either exposed or covered by hind margin of pronotum; clavus large, well developed, always entirely visible (pl. 2), often more or less fused with discoidal area (pl. 4); abdominal sterna II and III fused, other sterna free.

Subfamily CANTACADERINAE Stål (p. 22)

Head either (1) very short (pl. 50), only slightly produced in front of compound eyes, sharply declivent in front; antennal segment I mostly surpassing apex of clypeus (pls. 9, 10), or, (2) very long (pl. 51), subporrect, much produced in front of compound eyes, apex of antennal segment I and sometimes also that of II not surpassing apex of clypeus (pl. 51); unarmed or armed with one to five (rarely seven) tubercular or spinelike processes; bucculae either (1) short, with anterior ends not extending beyond lateral sides of labium, or, (2) long, with ends curved inward and almost or meeting mesad in front of labium; pronotum carinate, carinae present in combinations of either one (pls. 7, 14, 40) or three (pls. 9, 12); hind margin of pronotum triangularly prolonged backward (pl. 10), occasionally with apex much abbreviated, always completely covering scutellum and clavi of elytra in resting posture; abdominal sterna II and III fused, other sterna free.

Subfamily TINGINAE Laporte (p. 42)

The cantacaderines comprise a moderately large, sharply defined group and represent the oldest of the living lacebugs. Of the 21 known genera, *Phatnoma* is the only genus shared by the Old and New Worlds. The subfamily is unknown in the Americas north of Mexico.

Key to Tribes of Cantacaderinae

Elytron with a narrow, uniseriate stenocostal area lying between the costal area and outer margin of elytron (fig. 4; pls. 5, 6) CANTACADERINI Stål (p. 22)

Elytron without stenocostal area, the outer margin of costal area forming the exterior boundary of elytron (fig. 5; pls. 2, 4).

PHATNOMINI Drake and Davis (p. 30)

The tingines excel by far the other subfamilies both in number of species and populations, and are well represented in all continents. Almost all the lacebugs that live at the expense of cultivated, decorative, and wild plants of importance in human welfare belong to this subfamily. The tribes may be separated thus:

Key to Tribes of Tinginae

1. Head very long, greatly prolonged in front of compound eyes, subporrect; apex of antennal segment I (sometimes also that of II) not surpassing apex of clypeus (pls. 51, 52) YPSOTINGINI, new tribe (p. 428)

- Head very short, little produced in front of compound eyes, sharply declivent; antennal segment I surpassing by most of its length the apex of clypeus (pls. 9, 39) 2
2. All tarsi slender, segment II at most only slightly swollen (pls. 9, 29).

TINGINI Laporte (p. 42)

All tarsi greatly swollen; segment II enormously swollen, nearly ovate in outline, upper surface convex, beneath deeply concave, the concavity filled with short, bristlelike hairs (pls. 7, 8) LITADEINI, new tribe (p. 42)

The vianaidines are indigenous in the Neotropical region and known only from there. Four species are described, all being found inside the subterranean nests and underground passageways of ants. As to the natural history and relation between the vianaidines and ants, very little is known. All species are myrmecophiles with obsolete ommatidia, and perhaps blind. The ostiole and ostiolar canal are very prominent and provided with an extremely large evaporatorium (pl. 56).

Key to Genera and Species of Vianaidinae

1. Broadly ovate, widest behind middle of elytra, there width about two-thirds that of median length; paranotum and costal area wide, equally explanate, each with large rounded punctures, base of pronotum and elytron distinctly punctate; hypocostal lamina wide, obtusely angulately widened near base, there biseriate, thence posteriorly uniseriate (pl. 53).

Thaumanannia manni Drake and Davis (p. 444)

Elongate-ovate, elytra at widest point less than half the median length; paranotum and costal area absent; posterior part of pronotum and elytron distinctly punctate; hypocostal lamina very narrow (usually mistaken for costal area), composed of one row of tiny punctures 2

2. Backward branch of the vertical ostiolar canal situated only slightly above the hind acetabulum so as to divide the posterior part of the metapleural evaporatorium into unequal divisions (pl. 56).

Anommatocoris zeteki Drake and Froeschner (p. 444)

Backward branch of the vertical ostiolar canal placed higher on the metapleural evaporatorium so as to divide the evaporatorium into two nearly equal divisions 3

3. Compound eyes with only a small cluster of poorly developed ommatidia; elytron finely punctate for most of its length, shortly pubescent (pl. 55).

Anommatocoris coleopteratus (Kormilev) (p. 444)

Compound eyes with a few scattered, almost obsolete ommatidia; elytron punctate on basal part, thence posteriorly impunctate, inconspicuously pubescent (pl. 54) *Anommatocoris minutissimus* China (p. 444)

In this catalog an attempt has been made to record the scientific names and technical literature published on lacebugs since the beginning of systematic entomology, which dates from the publication of Linnaeus' *Systema Naturae*, 10th edition, 1758.

A uniform method is followed in citing references. In the text and synonymies the name of the author is followed by a year and page reference, with the full title appearing in the complete bibliography at the end of the text. In case an author has published more than one paper in a given year, the chronologic order is indicated in every case by an alphabetic affixation to the years.

The three subfamilies of Tingidae, their respective tribes, and the genera within the tribes are arranged in alphabetical sequence, each in their respective categories. The species are likewise arranged in alphabetic order in their respective genera. Synonyms, homonyms, and other errata are arranged chronologically under the valid specific name. Citations to other catalogs, faunal lists, monographs, and keys to genera or species are included in the generic citations. In addition to the original and later descriptions, specific citations include references to illustrations, morphology, biology, ecology, host plants, and distribution. Distributional records are in summary by countries. The original technical name of the type species of a genus always precedes the list of species. All elements in boldface type are regarded as of equal taxonomic value.

The incorporation of references dealing with biology, morphology, and plant injury as well as those concerned with systematic entomology makes the catalog a wide source of subject matter in different technical spheres.

To obtain the full literature for any one species, the generic references as well as those beneath the specific name should always be checked. The specific references occurring in such publications as catalogs, lists of species, and keys are listed beneath the generic names but not always beneath the trivial unless illustrations or morphologic or biologic data are involved. This combination of references (generic plus specific) includes the important citations to each species.

Information on the type (holotype or lectotype) specimen is recorded when it was included in the original description, published later, or obtainable from an institutional deposition. As will be noted in the text, the type specimens of a considerable number of species are either "lost" or "unknown." For full account of the history and type fixation of tingid genera, consult "Lacebug Genera of the World" (Drake and Ruhoff 1960a).

The information on type locality is included as it was written in the original description or as it appears on the locality label of the type specimen. Political divisions, created by events in human history of the present day, have made it ever difficult to keep pace with the changes in the names of localities and countries for distributional records. Our efforts in up-to-dateness have not been entirely successful. However, for such information we have followed the maps recently published by the National Geographic Society (Washington, D.C.), The Columbia Lippincott Gazetteer of the World, Webster's Geographic Dictionary (rev. ed., 1957), and information, current and historical, obtained from the Division of Philately and Postal

History of the United States National Museum. In the case of the Union of Soviet Socialist Republics, due to the uncertainties in some geographic boundaries, it will be noted that both general areas (Caucasus, Crimea, Siberia, etc.) and separate republics (Latvia, Dagestan, etc.) are used. The term "Ostindien," as used by Fieber (1844), is vague and can refer to either the East Indies or eastern India. Specimens from the Fieber collection deposited in the Naturhistorisches Museum, Vienna, bear simply the label "Ostindien."

As used in the text of this catalog, an asterisk (*) placed just before the scientific name means that the species is represented in the U.S. National Museum and a dagger (†) indicates that it is a fossil species. Symbols or marks used in the index only are explained immediately beneath the index caption.

Of the 1,820 valid species cataloged herein, 1,491 species are represented in the U.S. National Museum. This number includes 669 holotypes (or lectotypes) (of which 586 are in the Carl J. Drake collection and 83 in the Museum collection). The Drake collection contains 1,482 different species of lacebugs, of which 945 species are represented by a type of some kind.

Acknowledgments

For the loan of and comparison of Tingidae in their respective museums, the authors express here their most grateful thanks to Dr. S. L. Tuxen, Universitetets Zoologiske Museum, Copenhagen; Dr. E. Kjellander, Naturhistoriska Riksmuseet, Stockholm; Dr. W. E. China and Mr. R. J. Izzard, British Museum (Natural History), London; Dr. Max Beier, Naturhistorisches Museum, Vienna; Dr. Jacques Carayon, Museum National d'Histoire Naturelle, Paris; Dr. Ludvig Hoberlandt, Národní Museum, Prague; Dr. Henri Schouteden, Musée Royal de l'Afrique Centrale, Tervuren, Belgium; Dr. John W. Beardsley, Experiment Station, Hawaiian Sugar Planters Association, Honolulu, Hawaii; Dr. J. Linsley Gressitt, Bishop Museum, Honolulu, Hawaii; Dr. Hugh B. Leech, California Academy of Sciences, San Francisco, Calif.; Dr. L. Kocher, Institut Scientifique Cherifien, Rabat, Morocco.

Also to Dr. Richard Froeschner and Dr. Reece I. Sailer, U.S. Department of Agriculture, and Dr. J. F. G. Clarke, U.S. National Museum, for helpful suggestions and reading parts of the manuscript; Mr. Curtis Sabrosky, U.S. Department of Agriculture, for solving numerous nomenclatorial problems and interpreting the Code of Zoological Nomenclature; Dr. Syoiti Miyamoto, Kyushu University, Fukuoka, Japan, for microfilms and for translations of papers written in Japanese; Dr. John J. Wurdack, U.S. National Museum, Department of Botany, for checking the botanical names and placing them into families; and to Mr. Theodore B. Ruhoff,

U.S. National Museum, Division of Philately and Postal History, for assistance with geographical problems.

For the fine illustrations we are indebted to Elsie Froeschner and Caroline Lutz, both of Arlington, Va.; Maria Lisa Biganzoli and Elinor Stromberg, both of Washington, D.C.; Patricia and Robert Hogue, Alexandria, Va.; and to Arthur Smith, British Museum (Natural History), London.

Special acknowledgment is also due to Emily Bennett and Ruth Blanchard and the staff of the Smithsonian Institution Library for assistance in locating and obtaining sources of references; and for translations of papers in foreign languages, we are indebted to the late Ruth Ericson, translator, U.S. Department of Agriculture. Mr. John S. Lea and Mrs. Mary M. Ingraham, of the Smithsonian editorial staff, have been most cooperative and helpful with suggestions on format and in seeing the manuscript through the press.

This work was supported in part by National Science Foundation Grant 18721.

Family TINGIDAE Laporte

CIMICIDES Latreille 1807, p. 126 (*Tingis*, p. 139).

GECORISES Latreille 1829, p. 201.

TINGIDITES Laporte 1833, p. 47.

TINGIDAE Westwood 1840a, p. 447; 1840b, p. 120.—Lethierry and Severin 1896, pp. 1, 4.—China and Miller 1955, p. 261; 1959, pp. 9, 34.—Drake and Ruhoff 1960a, p. 3.—Drake and Davis 1960, p. 4 (morphology and higher classification).

DUCTIROSTRI, Group TINGIDES Amyot and Serville 1843, pp. 285, 295.

TINGIDITAE Spinola 1852b, p. 27.

TINGIDIDAE Fieber 1861, pp. 35, 116, 400.—Oshanin 1908, p. 395.

TINGITIDEA Costa 1863, p. 6.

TINGITIDAE Stål 1873, pp. 115, 116.—Horváth 1906a, p. 1; 1911d, p. 14.—Oshanin 1912, p. 42.—China 1943, p. 245.

Subfamily CANTACADERINAE Stål

CANTACADERARIA Stål 1873, p. 116.—Horváth 1906a, p. 10.—Oshanin 1908, p. 400 (as divisions).

CANTACADERINI Champion 1897, p. 2 (as group).

CANTACADERARIA Oshanin 1912, p. 42 (as tribe).

CANTACADERINAE Stichel 1926, p. 103.—China and Miller 1959, p. 34.—Drake and Ruhoff 1960a, p. 26.—Drake and Davis 1960, pp. 74, 75.

TYPE GENUS: *Cantacader* Amyot and Serville.

Tribe CANTACADERINI Stål

Cantacaderini Drake and Davis 1960, p. 77.

TYPE GENUS: *Cantacader* Amyot and Serville.

Genus ALLOCADER Drake

Allocader Drake 1950a, pp. 156, 163.—Drake and Ruhoff 1960a, p. 26.

TYPE SPECIES: *Cantacader leai* Hacker.

**Allocader cordatus* (Hacker)

Phatnoma cordata Hacker 1927, p. 19, fig. 9 [Queensland].

Cantacader cordatus: Hacker 1928, p. 174.

Allocader cordata: Drake 1950a, p. 156.

TYPE: Sex unknown; National Park, Queensland, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

****Allocader leai* (Hacker)**

Cantacader leai Hacker 1928, p. 176, pl. 20, fig. 3 [Tasmania].

Allocader leai: Drake 1950a, p. 156.

TYPE: Sex unknown; Hobart, Tasmania, Australia; Queensland Mus.

DISTRIBUTION: Australia (Tasmania).

HOST PLANT: Unrecorded.

NOTE: Myrmecophile; adults and nymphs taken in nest of *Amblyopone australis* Erichson [Hacker].

***Allocader nesiotus* Drake and Ruhoff**

Allocader nesiotus Drake and Ruhoff 1962b, p. 249, pl. 7, fig. 2 [Lord Howe].

TYPE: Holotype ♂, brachypterous; Lord Howe Island; So. Austr. Mus.

DISTRIBUTION: Australia (Lord Howe Island).

HOST PLANT: Unrecorded.

Genus CANTACADER Amyot and Serville

Cantacader Amyot and Serville 1843, p. 299.—Stål 1873, p. 116; 1874, p. 46.—Lethierry and Severin 1896, p. 4.—Distant 1903b, p. 123.—Horváth 1906a, p. 10.—Oshanin 1908, p. 400; 1912, p. 42.—Stichel 1935, p. 348; 1938a, p. 404; 1960a, p. 268; 1960b, p. 390; 1960c, p. 129.—Drake 1950a, p. 163.—Drake and Ruhoff 1960a, p. 26.

Taphrostethus Fieber 1844, p. 40.—Drake and Ruhoff 1960a, p. 30.

TYPE SPECIES: *Piesma quadricornis* Le Peletier and Serville.

****Cantacader abdivitus* Drake**

Cantacader abdivitus Drake 1950a, p. 161 [Queensland].

TYPE: Holotype ♀, macropterous; Redlynch, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

****Cantacader afzelii* Stål**

FIGURE 6a, b

Cantacader afzelii Stål 1873, p. 116 [Sierra Leone].—Lethierry and Severin 1896, p. 4 [Guinea].—Distant 1902a, p. 238, pl. 15, fig. 3.—Schouteden 1923, p. 83 [Congo].—Mancini 1939c, p. 308 [Somalia]; 1956b, p. 78 [Ethiopia].—Drake 1958a, p. 101 [Kenya; Angola; Ivory Coast; Ghana]; 1958b, p. 25.—Drake and Mamet 1956, p. 300 [Mauritius].—Mamet 1957, p. 56.

TYPE: Holotype ♂; Sierra Leone; Stockholm Mus.

DISTRIBUTION: Guinea; Sierra Leone; Ivory Coast; Liberia; Ghana; Ethiopia; Somalia; Kenya; Congo; Angola; Mascarene Islands (Mauritius).

HOST PLANT: Unrecorded.

NOTE: Taken at light [Drake 1958a].

**Cantacader agilis* Drake

Cantacader agilis Drake 1951, p. 166 [Deslac]; 1960, p. 341.

TYPE: Holotype ♂; Deslac Island; Hungarian Mus.

DISTRIBUTION: New Guinea Territory (Deslac Island; Northeast New Guinea).

HOST PLANT: Unrecorded.

**Cantacader agilis* var. *tricarinatus* Drake

Cantacader agilis var. *tricarinata* Drake 1951, p. 167 [Deslac]; 1960, p. 342.

TYPE: Holotype ♂, macropterous; Deslac Island; Hungarian Mus.

DISTRIBUTION: New Guinea Territory (Deslac Island; Northeast New Guinea).

HOST PLANT: Unrecorded.

**Cantacader amydis* Drake

FIGURE 4b

Cantacader amydis Drake 1960, p. 343, fig. 2 [Normanby].

TYPE: Holotype ♀, macropterous; Wakaiuna, Normanby; Amer. Mus.

DISTRIBUTION: D'Entrecasteaux Islands (Normanby; Fergusson).

HOST PLANT: Unrecorded.

Cantacader angulipennis Horváth

Cantacader quadricornis (not Le Peletier and Serville): Fieber 1861, p. 118 [Spain].

Cantacader angulipennis Horváth 1906a, p. 12, fig. 3.—Lindberg 1960a, p. 13 [Tenerife].

TYPE: Spain; sex and deposition of type unknown.

DISTRIBUTION: Spain; Canary Islands (Tenerife).

HOST PLANT: Unrecorded.

Cantacader attenuatus Distant

Cantacader attenuatus Distant 1902a, p. 238 [Cape Province].

Cantacader attenuatis [sic]: Drake 1950a, p. 163.

TYPE: Sex unknown; Cape Colony, South Africa; British Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

†*Cantacader avitus* Drake

Cantacader avitus Drake 1950a, p. 161, fig. 3 [fossil].—Drake and Ruhoff 1960a, p. 11.

TYPE: Holotype, sex undeterminable; fossilized in Baltic amber; MCZ.

DISTRIBUTION: Fossil.

**Cantacader basilewskyi* Schouteden

Canthacader [sic] *basilewskyi* Schouteden 1955b, p. 163 [Ruanda-Urundi]; 1957c, p. 312.

Cantacader basilewskyi [sic]: Drake 1958a, p. 102 [Congo; Angola].

TYPE: Sex unknown; Ruanda; Cent. Afr. Mus.

DISTRIBUTION: Ruanda-Urundi; Congo; Angola.

HOST PLANT: Unrecorded.

***Cantacader claratis** Drake

Cantacader claratis Drake 1950a, p. 160, fig. 2 [Malaya].

TYPE: Holotype ♀, macropterous; Perak, Federation of Malaya; Drake Coll. (USNM).

DISTRIBUTION: Federation of Malaya.

HOST PLANT: Unrecorded.

***Cantacader diffidentis** Drake and Poor

Cantacader diffidentis Drake and Poor 1936b, p. 141 [India].

TYPE: Holotype ♂, macropterous; New Forest, Dehra Dun, India; Drake Coll. (USNM).

DISTRIBUTION: Greater Sunda Islands (Java); India.

HOST PLANT: Unrecorded.

***Cantacader divisus** Bergroth

Cantacader divisus Bergroth 1908, p. 108 [Ethiopia].—Drake 1955b, p. 85 [Angola]; 1958b, p. 26 [Kenya; Tanganyika; Congo].—Mancini 1956b, p. 78.

Cantacader dividus [sic]: Drake 1950a, p. 163.

TYPE: Ethiopia; sex and deposition of type unknown.

DISTRIBUTION: Ethiopia; Kenya; Tanganyika; Congo; Angola.

HOST PLANT: Unrecorded.

***Cantacader formosus** Drake

Cantacader formosus Drake 1950a, p. 159 [Taiwan].

TYPE: Holotype ♂, macropterous; Formosa; Drake Coll. (USNM).

DISTRIBUTION: Taiwan.

HOST PLANT: Unrecorded.

Cantacader gerardi Schouteden

Canthacader [sic] *gerardi* Schouteden 1955b, p. 162 [Congo].

TYPE: Sex unknown; Mulungu, Nyunzu, Katanga, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Cantacader infuscatus** Distant

Cantacader infuscatus Distant 1903b, p. 124 [Burma].

TYPE: Sex unknown; Rangoon, Burma; British Mus.

DISTRIBUTION: Burma; India.

HOST PLANT: Unrecorded.

Cantacader insularis Drake

Cantacader insularis Drake 1957e, p. 399, fig. 1 [Reunion].

TYPE: Holotype ♀; Plaine des Cafres, Réunion; Madagascar Sci. Inst.

DISTRIBUTION: Mascarene Islands (Reunion); Malagasy Republic.

HOST PLANT: Unrecorded.

**Cantacader japonicus* Drake

Cantacader japonicus Drake 1947d, p. 225, fig. [Japan; Viet-Nam; Thailand]; 1947f, fig. 68 (color).

Cantacader japonicus [sic]: Takeya 1951a, p. 5.

TYPE: Holotype ♂, macropterous; Shimabara Peninsula, Japan; Drake Coll. (USNM).

DISTRIBUTION: Japan; Viet-Nam; Thailand.

HOST PLANT: Unrecorded.

**Cantacader laratanus* Drake

Cantacader laratanus Drake 1947d, p. 226 [Larat].

TYPE: Holotype ♂, macropterous; Larat, South Pacific; Drake Coll. (USNM).

DISTRIBUTION: Tanimbar Islands (Larat).

HOST PLANT: Unrecorded.

Cantacader laticollis Horváth

Cantacader quadricornis var. *staudingeri* (not von Baerensprung): Puton 1879c, p. 88 [Algeria].

Cantacader laticollis Horváth 1906a, p. 11, fig. 1.

TYPE: Sex unknown; Bône, Algeria; Paris Mus.

DISTRIBUTION: Algeria.

HOST PLANT: Unrecorded.

**Cantacader lethierryi* Scott

Cantacader lethierryi Scott 1874, pp. 291, 443 [Japan].—Uhler 1896, p. 265.—Esaki 1932, p. 1634, fig.; 1954, p. 235, fig. 606.—Drake 1950a, p. 164 [China].—Takeya 1951a, p. 5; 1953d, p. 167.

TYPE: Sex unknown; Japan; British Mus.

DISTRIBUTION: Japan; China.

HOST PLANT: Unrecorded.

**Cantacader nocturnis* Hacker

Cantacader nocturnis Hacker 1929, p. 324, pl. 32, fig. 1 [Queensland].—Drake 1960, p. 341 [New Guinea].

Cantacader nocturnus [sic]: Drake 1950a, p. 164.

TYPE: Sex unknown; Brisbane, Queensland, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland); New Guinea (Northeast).

HOST PLANT: Unrecorded.

NOTE: Taken at light [Hacker].

**Cantacader quadricornis* (Le Peletier and Serville)

Piesma quadricornis Le Peletier and Serville 1828, p. 653.—Brullé 1835, p. 343.

Cantacader quadricornis: Amyot and Serville 1843, p. 299 [Spain].—Puton 1879c, p. 88 [France; Corsica; Greece; Caucasus].—Bolívar and Chicote 1879, p. 166.—Horváth 1906a, p. 12 [Algeria; Mauritania].—Oshanin 1908, p. 400 [Crimea; Morocco].—Moroder Sala 1920, p. 12.—de Seabra 1931, pp. 410, 444, figs. 482, 483 [Portu-

gal].—Vidal 1937, p. 197.—Gulde 1938, p. 241, fig.—Drake 1950a, p. 164 [Turkey].—Kiritshenko 1951, p. 243, fig. 323.—Mancini 1952, p. 12.—Priesner and Alfieri 1953, p. 63 [Egypt].—Gomez-Menor 1956a, p. 109, fig. 5 (fig. only); 1956b, p. 81, fig.—Drake and Davis 1960, figs. 6, 11, 13–15, 19, 20, 24, 28.—Drake and Ruhoff 1960a, pl. 2.

Taphrostethus staudingeri von Baerensprung 1858, p. 205, pl. 2, fig. 10.

Cantacader staudingeri: Fieber 1861, p. 118.—Ferrari 1878, p. 65.—Jakovlev 1880b, p. 99.

Cantacader staudingeri var. *doriae* Ferrari 1874, p. 169 [Italy].

Cantacader quadricornis [sic]: González 1948, p. 49.

Cantacader quadricornis quadricornis: Stichel 1960a, p. 268, fig. 32.

TYPE: Unknown.

DISTRIBUTION: Portugal; Spain; France; Corsica; Italy; Greece; Turkey; U.S.S.R. (Crimea; Caucasus); Egypt; Algeria; Morocco; Mauritania.

HOST PLANT: Unrecorded.

NOTE: Taken at light [Priesner and Alfieri].

**Cantacader quadricornis* var. *nubilis* Horváth

Cantacader quadricornis var. *nubilis* Horváth 1906a, p. 12, fig. 2 [Caucasus; Turkey].—Kiritshenko 1951, p. 243.—Priesner and Alfieri 1953, p. 63 [Egypt].—Hoberlandt 1955, p. 86.

Cantacader quadricornis nubilus [sic]: Stichel 1960a, p. 268.

TYPE: Unknown.

DISTRIBUTION: U.S.S.R. (Caucasus); Turkey; Egypt.

HOST PLANT: Unrecorded.

NOTE: Taken at light [Priesner and Alfieri].

†*Cantacader quinquecarinatus* (Germar and Berendt)

Tingis quinquecarinata Germar and Berendt 1856, p. 23, pl. 3, fig. 19 [fossil].

Eotingis quinquecarinata: Scudder 1890, p. 359; 1891, pp. 406, 449 [Horizon: Ligurian].

Cantacader quinquecarinatus: Drake and Ruhoff 1960a, p. 10.

TYPE: Sex undeterminable; fossilized in Prussian amber; deposition of type unknown.

DISTRIBUTION: Fossil.

**Cantacader quinquecostatus* (Fieber)

Taphrostethus quinquecostatus Fieber 1844, p. 41, pl. 3, figs. 18–22 [Ostindien].—Herrich-Schaeffer 1850, p. 150, pl. 311, figs. c–e.—Walker 1873b, p. 2 [India].

Monanthia subovata Motschulsky 1863, p. 91 [Ceylon].—Kirby 1891, p. 109.

Cantacader subovatus: Stål 1873, p. 116.

Cantacader quinquecostatus: Stål 1873, p. 117.—Distant 1903b, p. 123, fig. 88; 1910a, p. 100.—Kirkaldy 1908c, p. 12.—Horváth 1912c, p. 341

[Java; Sumatra]; 1926, p. 327 [Malaya].—Bergroth 1921, p. 103.—Drake and Poor 1936b, p. 141; 1937a, p. 1 [Philippines].—Blöte 1945, p. 78.—Drake 1956d, p. 106, fig. 1 [Penang; Palau].—Drake and Davis 1960, fig. 25.—Drake 1960, p. 341, fig. 1 [New Guinea].

TYPE: "Ostindien"; sex and deposition of type unknown.

DISTRIBUTION: India; Ceylon; Burma; Greater Sunda Islands (Java; Sumatra); New Guinea; Federation of Malaya; Penang Island; Philippine Islands; Palau Islands.

HOST PLANT: Unrecorded.

NOTE: Taken at light [Distant 1910a].

**Cantacader tener* Bergroth

PLATE 6

Cantacader tener Bergroth 1894, p. 167 [Malagasy].—Drake 1958c, p. 315.

Cantacader tenei [sic]: Drake 1950a, p. 164.

TYPE: Holotype ♂; Madagascar; deposition unknown.

DISTRIBUTION: Malagasy Republic; Kenya.

HOST PLANT: Unrecorded.

**Cantacader tenuipes* Stål

Cantacader tenuipes Stål 1865, p. 26 [Sierra Leone]; 1873, p. 116.—

Distant 1902a, p. 238, pl. 15, fig. 2.—Schouteden 1923, p. 83

[Congo].—Mancini 1949a, p. 229 [Somalia].—Drake 1954e, p. 1;

1957a, p. 415 [Aden]; 1958a, p. 102 [Guinea; Angola]; 1958b, p. 26

[Kenya; Ghana].

TYPE: Holotype ♂; Sierra Leone; Stockholm Mus.

DISTRIBUTION: Aden Protectorate; Somalia; Sierra Leone; Guinea; Ghana (?); Congo; Angola; Kenya.

HOST PLANT: Unrecorded.

NOTE: Taken at light [Drake 1958a].

Cantacader tenuipes var. *furtivus* Drake

Cantacader tenuipes var. *infuscatus* Schouteden 1916b, p. 290 [Congo]; 1923, p. 83.

Cantacader tenuipes var. *furtivus* Drake 1950a, p. 153 [Republique du Congo].

TYPE: Sex unknown; Vankerckhovenville, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo; Republique du Congo.

HOST PLANT: Unrecorded.

**Cantacader uniformis* Distant

Cantacader uniformis Distant 1902b, p. 353 [India]; 1903b, p. 124.—

Drake 1950a, p. 164 [Burma].

TYPE: Sex unknown; India; British Mus.

DISTRIBUTION: India; Burma.

HOST PLANT: Unrecorded.

Cantacader vandenplasi Schouteden

Cantacader vandenplasi Schouteden 1923, p. 83 [Congo].

TYPE: Sex unknown; Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

Genus CERATOCADER Drake

Ceratocader Drake 1950a, pp. 157, 164.—Drake and Ruhoff 1960a, p. 27.

TYPE SPECIES: *Cantacader armatus* Hacker.

***Ceratocader armatus** (Hacker)

PLATE 5

Cantacader armatus Hacker 1928, p. 174, pl. 20, fig. 1 [South Australia].

Ceratocader armatus: Drake 1950a, pp. 158, 164.—Drake and Davis 1960, fig. 30.

TYPE: Sex unknown; Murray Bridge, South Australia, Australia; Queensland Mus.

DISTRIBUTION: Australia (South Australia).

HOST PLANT: Unrecorded.

Ceratocader dentatus (Hacker)

Cantacader dentatus Hacker 1928, p. 175, pl. 20, fig. 2 [Tasmania].

Ceratocader dentatus: Drake 1950a, pp. 158, 164.

TYPE: Sex unknown; Burnie, Tasmania, Australia; Queensland Mus.

DISTRIBUTION: Australia (Tasmania).

HOST PLANT: Unrecorded.

Genus NECTOCADER Drake

Nectocader Drake 1928a, p. 41; 1944b, p. 141; 1950a, p. 165.—Monte 1937d, p. 111; 1941e, p. 71.—Drake and Ruhoff 1960a, p. 28.

TYPE SPECIES: *Cantacader gounellei* Drake.

***Nectocader gounellei** (Drake)

Cantacader gounellei Drake 1923b, p. 81, fig. 1 [Brazil].

Nectocader gounellei: Drake 1928a, p. 42.—Drake and Hambleton 1934, p. 436.—Monte 1937a, p. 30, fig. 1 [*Vernonia*]; 1937d, p. 112, fig. 10; 1939b, p. 63.

TYPE: Holotype ♂, macropterous; Novo Friburgo, near Rio de Janeiro, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Vernonia* sp.

Genus TERATOCADER Drake

Teratocader Drake 1950a, pp. 158, 166.—Drake and Ruhoff 1960a, p. 30.

TYPE SPECIES: *Cantacader magnificus* Drake.

***Teratocader magnificus** (Drake)*Cantacader magnifica* Drake 1923b, p. 83 [Malaya].*Teratocader magnificus*: Drake 1950a, pp. 158, 166.

TYPE: Holotype ♂, macropterous; Perak, Malay Peninsula; Drake Coll. (USNM).

DISTRIBUTION: Federation of Malaya.

HOST PLANT: Unrecorded.

Tribe PHATNOMINI Drake and Davis

Phatnomini Drake and Davis 1960, p. 78.

TYPE GENUS: *Phatnoma* Fieber.*Genus* ALLOEODERES Drake*Alloeoderes* Drake 1961a, p. 115.TYPE SPECIES: *Alloeoderes davao* Drake.**Alloeoderes davao** Drake

PLATE 1

Alloeoderes davao Drake 1961a, p. 116, fig. 43 [Mindanao].

TYPE: Holotype ♂; Mt. McKinley, Davao, Mindanao, Philippine Islands; Chicago Museum Natural History.

DISTRIBUTION: Philippine Islands (Mindanao).

HOST PLANT: Unrecorded.

Genus ANGIOCADER Drake*Angiocader* Drake 1950a, pp. 159, 163.—Drake and Ruhoff 1960a, p. 26.TYPE SPECIES: *Phatnoma obesa* Distant.**Angiocader obesus** (Distant)*Phatnoma obesa* Distant 1902a, p. 239, pl. 15, fig. 16 [Cape Province].*Gonycentrum obesum*: Bergroth 1903, p. 297.*Sinalda obesa*: Distant 1904, p. 427.*Angiocader obesus*: Drake 1950a, pp. 159, 163.

TYPE: Sex unknown; Cape Colony, South Africa; British Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

Genus ASTOLPHOS Distant*Astolphos* Distant 1904, p. 428.—Drake 1950a, p. 163.—Drake and Ruhoff 1960a, p. 26.TYPE SPECIES: *Astolphos capitatus* Distant.***Astolphos capitatus** Distant*Astolphos capitatus* Distant 1904, p. 429, pl. 8, fig. 5 [Cape Province].

TYPE: Sex unknown; Cape Town, South Africa; British Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

Genus CNEMIANDRUS Distant

Cnemiandrus Distant 1902a, p. 239.—Drake 1950a, p. 164.—Drake and Ruhoff 1960a, p. 27.

TYPE SPECIES: *Cnemiandrus typicus* Distant.

***Cnemiandrus typicus Distant**

Cnemiandrus typicus Distant 1902a, p. 240, pl. 15, fig. 18 [Cape Province].

TYPE: Sex unknown; Cape Colony, South Africa; So. Afr. Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

Genus CYCLOTYNASPIS Montandon

Cyclotynaspis Montandon 1892, p. 265.—Lethierry and Severin 1896, p. 4.—Drake and Ruhoff 1960a, p. 27.

TYPE SPECIES: *Cyclotynaspis acalyptoides* Montandon.

Cyclotynaspis acalyptoides Montandon

Cyclotynaspis acalyptoides Montandon 1892, p. 265 [Singapore].—Drake 1955a, p. 78, fig. 25.

TYPE: Holotype ♀, brachypterous; Singapore; Bucharest Mus.

DISTRIBUTION: Singapore.

HOST PLANT: Unrecorded.

NOTE: Type specimen redescribed and figured [Drake].

Genus CYPEROBIA Bergroth

Cyperobia Bergroth 1927, p. 673.—Drake 1950a, p. 164.—Drake and Ruhoff 1960a, p. 27.

TYPE SPECIES: *Cyperobia carectorum* Bergroth.

Cyperobia carectorum Bergroth

Cyperobia carectorum Bergroth 1927, p. 674 [New Zealand; *Cassinia leptophylla*; sedges].

Cyperobia correctorum [sic]: Drake and Davis 1960, fig. 31.

TYPE: Holotype ♀; Gollan's Valley, Wellington, New Zealand; deposition unknown.

DISTRIBUTION: New Zealand.

HOST PLANTS: *Cassinia leptophylla*; sedges.

Genus EOCADER Drake and Hambleton

Eocader Drake and Hambleton 1934, p. 436; 1944b, p. 121.—Monte 1941c, p. 71; 1942d, p. 104.—Hurd 1946, p. 439.—Drake 1950a, p. 164.—Drake and Ruhoff 1960a, p. 27.

Montea Bruner 1940, p. 246.—Drake and Ruhoff 1960a, p. 28.

TYPE SPECIES: *Eocader vegrandis* Drake and Hambleton.

**Eocader bouclei* (Bruner)

Montea bouclei Bruner 1940, p. 246, pl. 43 [Cuba; *Casuarina equisetifolia*].

Eocader bouclei: Monte 1942d, p. 104.—Bruner, Scaramuzza and Otero 1945, p. 33.—Hurd 1946, p. 439 [Casuarina bark].

TYPE: Holotype ♂, macropterous; Vedado, Havana, Cuba; USNM.

DISTRIBUTION: Cuba.

HOST PLANTS: *Casuarina equisetifolia*; "Casuarina bark".

**Eocader vegrandis* Drake and Hambleton

Eocader vegrandis Drake and Hambleton 1934, p. 436, fig. 1 [Brazil; *Bombax munguba*].—Araujo e Silva 1936, p. 7.—Costa Lima 1936, p. 126.

TYPE: Holotype ♀, brachypterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Bombax munguba*.

Genus *GONYCENTRUM* Bergroth

Gonycentrum Bergroth 1898, p. 9.—Distant 1903b, p. 125.—Drake 1950a, p. 165.—Drake and Ruhoff 1960a, p. 28.

Teleia Fieber 1844, p. 55.—Walker 1873b, p. 3.—Lethierry and Severin 1896, p. 4.—Drake and Ruhoff 1960a, p. 30.

Sinalda Distant 1904, p. 426.—Drake and Ruhoff 1960a, p. 30.

TYPE SPECIES: *Teleia coronata* Fieber.

**Gonycentrum aethiops* (Distant)

Phatnoma aethiops Distant 1902a, p. 238, pl. 15, fig. 12 [Cape Province].

Gonycentrum aethiops: Bergroth 1903, p. 297.—Drake 1956f, p. 421.

Sinalda aethiops: Distant 1904, p. 427.

TYPE: Sex unknown; Cape Colony, South Africa; So. Afr. Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

**Gonycentrum afrum* Drake and Ruhoff

Gonycentrum afrum Drake and Ruhoff 1961b, p. 126, fig. 1 [Cape Province].

TYPE: Holotype ♂, macropterous; Grahamstown, South Africa; Drake Coll. (USNM).

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

**Gonycentrum angustatum* Drake

Gonycentrum angustatum Drake 1956c, p. 15 [Tanganyika].

TYPE: Holotype ♂, macropterous; Arusha, Tanganyika Territory; Drake Coll. (USNM).

DISTRIBUTION: Tanganyika.

HOST PLANT: Unrecorded.

Gonycentrum coronatum (Fieber)

Teleia coronata Fieber 1844, p. 56, pl. 4, figs. 26–32 [Ostindien].—
Herrich-Schaeffer 1850, p. 149, pl. 311, figs. 954f–k.—Stål 1873,
p. 117 [India orientalis].

Gonycentrum coronatum: Distant 1903b, p. 125, fig. 89.

TYPE: “Ostindien”; sex and deposition of type unknown.

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

Gonycentrum elegans (Distant)

Sinalda elegans Distant 1904, p. 427, pl. 8, fig. 2 [Cape Province].

Gonycentrum elegans: Drake 1950a, p. 165.

TYPE: Sex unknown; Cape Town, South Africa; British Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

***Gonycentrum engistum** Drake and Ruhoff

Gonycentrum engistum Drake and Ruhoff 1961b, p. 127, fig. 3* [New
Guinea].

TYPE: Holotype ♀, brachypterous; Mt. Lamington, New Guinea; Drake
Coll. (USNM).

DISTRIBUTION: New Guinea.

HOST PLANT: Unrecorded.

NOTE: * In Drake and Ruhoff 1961b, the illustration in figure 3 is that of
engistum, not figure 2 as listed in text and figure citation.

***Gonycentrum nebulosum** (Distant)

Sinalda nebulosa Distant 1904, p. 428, pl. 8, fig. 4 [Cape Province].

Gonycentrum nebulosum: Drake 1950a, p. 165.

TYPE: Sex unknown; Grahamstown, Cape Colony, South Africa;
British Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

***Gonycentrum reticulatum** (Distant)

Sinalda reticulata Distant 1904, p. 427, pl. 8, fig. 3 [Cape Province].

Gonycentrum reticulatum: Drake 1950a, p. 165.

TYPE: Sex unknown; Cape Colony, South Africa; So. Afr. Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

***Gonycentrum socium** Drake and Ruhoff

Gonycentrum socium Drake and Ruhoff 1961b, p. 128, fig. 2* [Tasmania];
1962b, p. 249, pl. 7, fig. 1 [South Australia].

TYPE: Holotype ♂, brachypterous; Launceston, Tasmania, Australia;
Drake Coll. (USNM).

DISTRIBUTION: Australia (Tasmania; South Australia).

HOST PLANT: Unrecorded.

NOTE: *In Drake and Ruhoff 1961b, the illustration in figure 2 is that of *socium*, not figure 3 as listed in the text and figure citation.

***Gonycentrum testaceum** (Distant)

Phatnoma testacea Distant 1902a, p. 238, pl. 15, fig. 13 [Cape Province].

Gonycentrum testaceum: Bergroth 1903, p. 297.

Sinalda testacea: Distant 1904, p. 427.

TYPE: Sex unknown; Cape Colony, South Africa; So. Afr. Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

***Gonycentrum thomasi** Drake

Gonycentrum thomasi Drake 1956c, p. 14 [Kenya].

TYPE: Holotype ♂, macropterous; Nairobi, Kenya Colony; Drake Coll. (USNM).

DISTRIBUTION: Kenya.

HOST PLANT: Unrecorded.

***Gonycentrum tindalei** (Hacker)

Phatnoma tindalei Hacker 1928, p. 177, pl. 21, fig. 5 [South Australia; moss; lichens].

Sinalda tindalei: Hacker 1929, p. 333.

Gonycentrum tindalei: Drake 1950a, p. 165.—Drake and Ruhoff 1962b, p. 249.

TYPE: Sex unknown; Mount Lofty Ranges, South Australia, Australia; Queensland Mus.

DISTRIBUTION: Australia (South Australia).

HOST PLANTS: Moss; lichens.

Genus MALALA Distant

Malala Distant 1910a, p. 101.—Drake 1950a, p. 165.—Drake and Ruhoff 1960a, p. 28.

TYPE SPECIES: *Malala bulliens* Distant.

***Malala bulliens** Distant

Malala bulliens Distant 1910a, p. 101, fig. 48 [Ceylon].

TYPE: Sex unknown; Peradeniya, Ceylon; British Mus.

DISTRIBUTION: Ceylon; India.

HOST PLANTS: Tobacco; "swept from short grass."

Genus ORANOMA Drake

Oranoma Drake 1951, p. 165.—Drake and Ruhoff 1960a, p. 29.

TYPE SPECIES: *Oranoma biroi* Drake.

***Oranoma biroi** Drake

Oranoma biroi Drake 1951, p. 166 [New Guinea]; 1960, p. 344, fig. 4.—Drake and Davis 1960, fig. 29.

TYPE: Holotype ♀, brachypterous; Sattelberg, Huon Gulf, New Guinea; Hungarian Mus.

DISTRIBUTION: New Guinea (Northeast).

HOST PLANT: Unrecorded.

Genus PHATNOMA Fieber

Phatnoma Fieber 1844, p. 57.—Walker 1873b, p. 3.—Lethierry and Severin 1896, p. 5.—Champion 1897, p. 2.—Gibson 1919a, pp. 181–185 (key).—Monte 1941e, p. 72; 1946d, pp. 247–254 (key).—Drake 1944b, p. 141; 1950a, p. 165.—Hurd 1946, p. 438.—Drake and Ruhoff 1960a, p. 29.

TYPE SPECIES: *Phatnoma laciniata* Fieber.

**Phatnoma agviates* Drake and Ruhoff

FIGURE 5

Phatnoma agviates Drake and Ruhoff 1961b, p. 130, fig. 5 [Bougainville].

TYPE: Holotype ♂, brachypterous; Bougainville, Solomon Islands; Drake Coll. (USNM).

DISTRIBUTION: Solomon Islands (Bougainville).

HOST PLANT: Unrecorded.

**Phatnoma amazonica* Drake and Hambleton

Phatnoma amazonica Drake and Hambleton 1944b, p. 120 [Brazil].

TYPE: Holotype ♀, macropterous; Pará, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

**Phatnoma annulipes* Champion

Phatnoma annulipes Champion 1897, p. 4, pl. 1, fig. 2 [Mexico; Guatemala; Panama].—Gibson 1919a, p. 184.—Drake and Hambleton 1945, p. 356 [Costa Rica; *Vernonia*].—Swezey 1945, p. 371 [Venezuela].—Hurd 1946, p. 438 [Peru].—Drake 1948c, p. 21.

TYPE: Sex unknown; Volcan de Chiriqui, Panama; British Mus.

DISTRIBUTION: Mexico; Honduras; Guatemala; Costa Rica; Panama; Venezuela; Peru.

HOST PLANT: *Vernonia* sp.

NOTE: Intercepted in orchid packing from Venezuela, at port-of-entry, Washington, D.C. [Swezey].

**Phatnoma annulipes* var. *concisa* Drake

Phatnoma annulata [sic] var. *concisa* Drake 1948c, p. 21 [Venezuela].

TYPE: Holotype ♂, macropterous; Caracas, Venezuela; Drake Coll. (USNM).

DISTRIBUTION: Venezuela.

HOST PLANT: Unrecorded.

*†*Phatnoma baltica* Drake

PLATE 3

Phatnoma baltica Drake 1950a, p. 153, fig. 1 [fossil].—Drake and Ruhoff 1960a, p. 11.

TYPE: Holotype ♀, fossilized in Baltic amber; Drake Coll. (USNM).

DISTRIBUTION: Fossil.

***Phatnoma barberi** Drake

Phatnoma barberi Drake 1941a, p. 141 [Colombia].

TYPE: Holotype ♀, macropterous; Colombia; USNM.

DISTRIBUTION: Colombia.

HOST PLANT: Unrecorded.

NOTE: Intercepted on *Cattleya schroederæ* at port-of-entry, San Francisco, Calif. [Drake].

***Phatnoma costalis** Distant

Phatnoma costalis Distant 1909a, p. 113 [Burma]; 1910a, p. 102, fig. 49.—

Gibson 1919a, p. 184.—Drake and Poor 1936a, p. 439 [Hainan Island].

TYPE: Sex unknown; Myitta, Tenasserim, Burma; British Mus.

DISTRIBUTION: Burma; China (Hainan Island).

HOST PLANT: Unrecorded.

***Phatnoma coyazana** Drake

Phatnoma coyazana Drake 1948d, p. 15 [Brazil].

TYPE: Holotype ♀, macropterous; Jutahy, Goyaz Province, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Phatnoma ecuadoris** Drake

Phatnoma ecuadoris Drake 1941a, p. 141 [Ecuador].

TYPE: Holotype ♂, macropterous; Ecuador; USNM.

DISTRIBUTION: Ecuador.

HOST PLANT: Unrecorded.

NOTE: Intercepted on bananas at port-of-entry, New York City [Drake].

***Phatnoma guatemalana** Drake

Phatnoma guatemalana Drake 1948c, p. 20 [Guatemala].

TYPE: Holotype ♀, macropterous; Guatemala City, Guatemala; USNM.

DISTRIBUTION: Guatemala.

HOST PLANT: Unrecorded.

NOTE: Intercepted on *Epidendrum cochleatum* at port-of-entry, San Francisco, Calif. [Drake].

***Phatnoma hackeri** Drake

Phatnoma pacifica (not Kirkaldy): Hacker 1928, p. 176, pl. 20, fig. 4 [Australia].

Phatnoma hackeri Drake 1950a, p. 154.

TYPE: Holotype ♀, brachypterous; Cairns District, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

Phatnoma hova Schouteden

Phatnoma hova Schouteden 1957a, p. 82 [Malagasy].

TYPE: Sex unknown; Madagascar; Paris Mus.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Phatnoma jinjana** Drake

Phatnoma jinjana Drake 1956c, p. 13 [Uganda].

TYPE: Holotype ♀, macropterous; Jinja, Uganda; Drake Coll. (USNM).

DISTRIBUTION: Uganda.

HOST PLANT: Unrecorded.

Phatnoma laciniata Fieber

Phatnoma laciniata Fieber 1844, p. 57, pl. 4, figs. 33–38 [Ostindien].—

Herrich-Schaeffer 1850, p. 149, pl. 311, figs. 952a–b.—Stål 1873,

p. 117 [India orientalis].—Distant 1903b, p. 126, fig. 90 [Ceylon].—

Gibson 1919a, p. 183 [East Indies].

TYPE: "Ostindien"; sex and deposition of type unknown.

DISTRIBUTION: India; Ceylon; East Indies(?).

HOST PLANT: Unrecorded.

***Phatnoma maculata** Monte

Phatnoma maculata Monte 1946d, p. 252, figs. 1, 8 [Brazil].—Kormilev

1955a, p. 63 [Argentina].

TYPE: Holotype ♀; São Paulo, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil; Argentina.

HOST PLANT: Unrecorded.

***Phatnoma marmorata** Champion

Phatnoma marmorata Champion 1897, p. 3, pl. 1, figs. 1, 1a [Panama].—

Gibson 1919a, p. 183.—Drake 1922c, p. 352 [Brazil].—Monte 1941d,

p. 93 [Costa Rica]; 1941e, p. 72 [Honduras; cacao].—Drake and

Hambleton 1944b, p. 120 [Trinidad; pineapple].

Phatnoma filetia Gibson 1919a, p. 185.

Phatnoma spinosa Gibson 1919a, p. 185.

TYPE: Sex unknown; David, Chiriqui, Panama; British Mus.

DISTRIBUTION: Trinidad; Honduras; Costa Rica; Panama; Brazil;

Ecuador.

HOST PLANTS: Cacao; cultivated pineapple.

Phatnoma maynei Schouteden

Phatnoma maynei Schouteden 1916b, p. 289 [Congo].

Phatnoma magnei [sic]: Drake 1950a, p. 165.

TYPE: Sex unknown; Congo da Lemba, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

**Phatnoma ovata* Champion

Phatnoma ovata Champion 1897, p. 4, pl. 1, figs. 3, 3a [Guatemala].—
Gibson 1919a, p. 182.—Monte 1943d, p. 263 [Brazil].—Drake
1944b, p. 141 [Mexico].

TYPE: Sex unknown; San Isidro, Guatemala; British Mus.

DISTRIBUTION: Mexico; Guatemala; Brazil.

HOST PLANT: Unrecorded.

**Phatnoma pacifica* Kirkaldy

PLATE 2

Phatnoma pacifica Kirkaldy 1908b, p. 363 [Fiji].—Drake and Poor 1943,
p. 191.

TYPE: Holotype ♀; Fiji Islands; Hawaii. Sugar Plant. Assn.

DISTRIBUTION: Fiji Islands.

HOST PLANT: Unrecorded.

**Phatnoma takasago* Takeya

Phatnoma takasago Takeya 1933, p. 32, text fig. 1; pl. 3, fig. 1 [Taiwan];
1951a, p. 6.—Drake and Poor 1939c, p. 203 [India; *Lantana*].

TYPE: Holotype ♂; Makazayazaya, Heitô, Formosa; Kyushu Univ.

DISTRIBUTION: Taiwan; India.

HOST PLANT: *Lantana* sp.

**Phatnoma togularis* Drake

Phatnoma togularis Drake 1950a, p. 154 [India].

TYPE: Holotype ♀, macropterous; Dehra Dun, India; Drake Coll.
(USNM).

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

**Phatnoma tonkinana* Drake and Maa

Phatnoma tonkinana Drake and Maa 1955, p. 1 [Viet-Nam].

TYPE: Holotype ♀, macropterous; Hoa Binh, Tonkin; Drake Coll.
(USNM).

DISTRIBUTION: Viet-Nam.

HOST PLANT: Unrecorded.

**Phatnoma trinidadana* Drake

Phatnoma trinidadana Drake 1948c, p. 21 [Trinidad].

TYPE: Holotype ♀, macropterous; Trinidad, British West Indies; Drake
Coll. (USNM).

DISTRIBUTION: Trinidad.

HOST PLANT: Cultivated pineapple.

**Phatnoma uichancoi* Drake

Phatnoma pacifica (not Kirkaldy): Drake and Poor 1937b, p. 397
[Philippines].

Phatnoma uichancoi Drake 1950a, p. 155; 1960, p. 343 [New Guinea].—
Drake and Ruhoff 1962b, p. 249 [Papua].

TYPE: Holotype ♂, macropterous; Los Banos, Philippine Islands;
Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Los Banos; Mindanao); Solomon Islands; New Guinea (Papua).

HOST PLANT: Unrecorded.

**Phatnoma varians* Drake

Phatnoma varians Drake 1922c, p. 352 [French Guiana].—Swezey 1945, p. 371 [Colombia].

TYPE: Holotype ♀; Env. de St. Georges, Oyapock, French Guiana; Paris Mus.

DISTRIBUTION: French Guiana; Colombia.

HOST PLANT: Unrecorded.

NOTE: Intercepted at port-of-entry, California, on *Cattleya schroederiae* from Colombia [Swezey].

**Phatnoma varians* var. *unicarinata* Drake

Phatnoma varians var. *unicarinata* Drake 1922c, p. 353 [French Guiana].

TYPE: Holotype ♀, macropterous; Env. de St. Georges, Oyapock, French Guiana; Drake Coll. (USNM).

DISTRIBUTION: French Guiana.

HOST PLANT: Unrecorded.

**Phatnoma veridica* Drake and Maa

Phatnoma takasago (not Takeya): Drake 1950a, p. 156 [New Guinea].

Phatnoma veridica Drake and Maa 1955, p. 2 [Palau; Papua; *Glochidion*].—Drake 1956d, p. 107, fig. 2 [Caroline Islands]; 1960, p. 344, fig. 3 [*Pipturus*].

TYPE: Holotype ♂, macropterous; New Guinea; Drake Coll. (USNM).

DISTRIBUTION: New Guinea (Papua, Northeast; Netherlands); Palau Islands (Koror; Peleiu; Aurapusheparu; Babelthuap; Ngiramaous; Ulebsehel; Ngarmalk); Caroline Islands.

HOST PLANTS: *Pipturus* sp.; taken on bark of *Glochidion* sp.

**Phatnoma vernoniae* Drake and Hambleton

Phatnoma veroniae [sic] Drake and Hambleton 1938b, p. 51, pl. 9, fig. a [Brazil; *Vernonia polyanthes*].

Phatnoma vernoniae: Monte 1942d, p. 107.

TYPE: Holotype ♂, macropterous; Campinas, São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Vernonia polyanthes*.

Genus PLESIONOMA Drake

Plesionoma Drake 1950a, pp. 157, 166; 1954f, p. 2.—Drake and Ruhoff 1960a, p. 29.

TYPE SPECIES: *Phatnoma humeralis* Distant.

**Plesionoma eteosa* Drake

Plesionoma eteosa Drake 1954f, p. 2 [Cape Province].

TYPE: Holotype ♂, brachypterous; Cape Recife, South Africa; Drake Coll. (USNM).

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

***Plesionoma humeralis** (Distant)

Phatnoma humeralis Distant 1902a, p. 239, pl. 15, fig. 14 [Cape Province].—Bergroth 1903, p. 297.

Plesionoma humeralis: Drake 1950a, p. 157.

TYPE: Sex unknown; Cape Colony, South Africa; So. Afr. Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

Plesionoma leroyi Schouteden

Plesionoma leroyi Schouteden 1955a, p. 25 [Ruanda].

TYPE: Sex unknown; Ruanda; Cent. Afr. Mus.

DISTRIBUTION: Ruanda-Urundi.

HOST PLANT: Unrecorded.

Genus PSEUDOPHATNOMA Blöte

Pseudophatnoma Blöte 1945, p. 78.—Drake 1950a, p. 166.—Drake and Ruhoff 1960a, p. 29.

TYPE SPECIES: *Pseudophatnoma corniculata* Blöte.

Pseudophatnoma corniculata Blöte

Pseudophatnoma corniculata Blöte 1945, p. 78, fig. 1 [Rhio-Archipelago].

TYPE: Sex unknown; Durian, Rhio-Archipelago; Leiden Mus.

DISTRIBUTION: Rhio-Archipelago, Netherlands Indies.

HOST PLANT: Unrecorded.

Genus STENOCADER Drake and Hambleton

Stenocader Drake and Hambleton 1944b, p. 120.—Drake 1944b, p. 142; 1950a, p. 166.—Drake and Ruhoff 1960a, p. 30.

TYPE SPECIES: *Piesma tingidoides* Spinola.

***Stenocader tingidoides** (Spinola)

Piesma tingidoides Spinola 1852a, p. 200 [Chile].—Stål 1873, p. 134.

Cantacader tingidoides: Signoret 1863, p. 575.—Walker 1873b, p. 1.—

Lethierry and Severin 1896, p. 4.—Reed 1900, p. 176 (p. 86 separate).

Cantacader ? germainii Signoret 1863, p. 586.—Stål 1873, p. 134.—

Walker 1873b, p. 1.

Cantacader germaini [sic]: Lethierry and Severin 1896, p. 25.—Reed 1900, p. 179 (separate, p. 86).

Nectocader germaini [sic]: Drake 1928a, p. 41.—Porter 1933, p. 236.

Nectocader tingitoides [sic]: Drake 1928a, p. 42; 1939c, p. 332.—Porter 1933, p. 236.—Monte 1937d, p. 114.

Nectocader tingidoides: Monte 1942d, p. 107.

Stenocader tingidoides: Drake and Hambleton 1944b, p. 120.

TYPE: Holotype ♂; Chile; deposition unknown.

DISTRIBUTION: Chile.

HOST PLANT: Unrecorded.

Genus ULMUS Distant

Ulmus Distant 1904, p. 425.—Drake 1950a, p. 166.—Drake and Ruhoff 1960a, p. 30.

TYPE SPECIES: *Ulmus testudineatus* Distant.

**Ulmus engaeus* Drake and Ruhoff

Ulmus engaeus Drake and Ruhoff 1961b, p. 129, fig. 4 [Congo].

TYPE: Holotype ♂, brachypterous; Kasango, Kivu Province, Congo; Drake Coll. (USNM).

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

**Ulmus testudineatus* Distant

Ulmus testudineatus Distant 1904, p. 426, pl. 8, figs. 1, 1a [Transvaal].—Drake 1956f, p. 421.

TYPE: Sex unknown; Pretoria District, Transvaal, South Africa; British Mus.

DISTRIBUTION: South Africa (Transvaal).

HOST PLANT: Unrecorded.

Genus ZETEKELLA Drake

Zetekella Drake 1944b, pp. 139, 142; 1950a, p. 166.—Hurd 1946, p. 439.—Drake and Ruhoff 1960a, p. 31.

Minitingis Barber 1954, p. 7.—Drake and Ruhoff 1960a, p. 28.

TYPE SPECIES: *Zetekella zeteki* Drake.

**Zetekella minuscula* (Barber)

Minitingis minusculus Barber 1954, p. 7, fig. 1 [So. Bimini].

Zetekella minuscula: Drake and Ruhoff 1960a, p. 28.

TYPE: Holotype ♂; South Bimini Island, Bahamas; Amer. Mus.

DISTRIBUTION: Bahama Islands (So. Bimini Island).

HOST PLANT: Unrecorded.

**Zetekella pulla* Drake and Plaumann

PLATE 4

Zetekella pulla Drake and Plaumann 1956, p. 17 [Brazil].

TYPE: Holotype ♂, macropterous; Nova Teutonia, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

**Zetekella zeteki* Drake

Zetekella zeteki Drake 1944b, p. 140, fig. 1 [Canal Zone].

TYPE: Holotype ♀, brachypterous; Barro Colorado Island, Panama Canal Zone; USNM.

DISTRIBUTION: Panama (Canal Zone).

HOST PLANT: Unrecorded.

Subfamily TINGINAE Laporte

TINGIDITES Laporte 1833, p. 47.

AGRAMMIDAE Douglas and Scott 1865, pp. 24, 242 (as family).

TINGIDIDAE Douglas and Scott 1865, pp. 24, 243 (as family).

SERENTHARIA Stål 1873, pp. 116, 117; 1874, p. 46.—Distant 1903b, p. 126.—Horváth 1906a, p. 107.—Oshanin 1908, p. 457; 1912, p. 46 (as divisions).

TINGITARIA Stål 1873, p. 118; 1874, p. 47.—Distant 1903b, p. 130.—Horváth 1906a, p. 13.—Oshanin 1908, p. 401; 1912, p. 42 (as divisions).

AXIOKERSOSARIA Distant 1909a, p. 124 (as division).

AIDONEUSARIA Distant 1909a, p. 125 (as division).

GALEATINI Blatchley 1926, p. 451 (as tribe).

ACALYPTINI Blatchley 1926, p. 479 (as tribe).

PHYSATOCHILINI Blatchley 1926, p. 483 (as tribe).

AGRAMMINAE China and Miller 1955, p. 261; 1959, p. 9 (as subfamily).

AGRAMMATINAE Drake and Ruhoff 1960a, p. 23 (as subfamily).

TINGINAE China and Miller 1955, p. 261; 1959, p. 9.—Drake and Ruhoff 1960a, p. 31 (as subfamily).—Drake and Davis 1960, pp. 74, 78 (new concept of subfamily).

AIDONEUSINAE Menon and Hakk 1959a, p. 392 (as subfamily).

AXIOKERSOSINAE Menon and Hakk 1959a, p. 392 (as subfamily).

TYPE GENUS: *Tingis* Fabricius.

Tribe LITADEINI, new tribe

TYPE GENUS: *Litadea* China.

Genus LITADEA China

Litadea China 1924, p. 438.—Drake and Ruhoff 1960a, p. 66.

TYPE SPECIES: *Litadea delicatula* China.

**Litadea delicatula* China

PLATES 7, 8

Litadea delicatula China 1924, p. 439, figs. 2a, c [Rodriguez].—Drake and Davis 1960, figs. 39, 40.

TYPE: Sex unknown; Rodriguez Island; British Mus.

DISTRIBUTION: Mascarene Islands (Rodriguez).

HOST PLANT: Unrecorded.

Tribe TINGINI Laporte

TYPE GENUS: *Tingis* Laporte.

Genus ABDASTARTUS Distant

Abdastartus Distant 1910a, p. 103.—Bergroth 1911, p. 185.—Drake 1956b, p. 110.—Drake and Ruhoff 1960a, p. 31.

TYPE SPECIES: *Abdastartus tyrianus* Distant = *Monanthia atra* Motschulsky.

***Abdastartus atrus (Motschulsky)**

Monanthia atra Motschulsky 1863, p. 91 [Ceylon].—Stål 1873, p. 134.—Kirby 1891, p. 109.—Lethierry and Severin 1896, p. 25.

Teleonemia atra: Distant 1902b, p. 356; 1903b, p. 143.—Bergroth 1921, p. 104.

Abdastartus tyrianus Distant 1910a, p. 103, fig. 50 [India].—Drake 1930c, p. 15.

Abdastartus atrus: Drake 1956b, p. 110.

TYPE: Sex unknown; Mount Patannas, Ceylon; Moscow Univ.

DISTRIBUTION: Ceylon; India.

HOST PLANT: Unrecorded.

***Abdastartus longulus Drake**

Abdastartus longulus Drake 1953b, p. 95 [India].

TYPE: Holotype ♂, macropterous; Dehra Dun, India; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

***Abdastartus sacchari Drake**

Abdastartus tyrianus (not Distant): Drake 1927d, p. 307 [Java; Taiwan; sugar].

Abdastartus sacchari Drake 1930c, p. 15 [Sumatra].—Box 1953, p. 37.

TYPE: Holotype ♂, macropterous; Randoeblatoeng, Java; Drake Coll. (USNM).

DISTRIBUTION: Greater Sunda Islands (Java; Sumatra); Taiwan.

HOST PLANT: Sugarcane.

Genus ACALYPTA Westwood

Acalypta Westwood 1840b, p. 121.—Stål 1873, pp. 118, 122; 1874, p. 51.—Saunders 1875, pp. 245, 251.—Horváth 1906a, pp. 13, 24 (key); 1906e, p. 498.—Mužik 1907, pp. 50, 52 (key).—Oshanin 1908, p. 406; 1912, p. 42.—Banks 1910, p. 55.—Jensen-Haarup 1912, p. 150 (key).—Osborn and Drake 1916a, p. 220 (key).—Van Duzee 1916, p. 25; 1917b, p. 211.—Lindberg 1919, p. 42.—Torre-Bueno 1924, p. 93.—Stichel 1926, pp. 103, 106 (key); 1935, p. 348; 1938a, p. 404; 1960a, p. 274; 1960b, p. 391; 1960c, p. 130.—Drake 1928c, pp. 1–9.—Börner 1935, pp. 73–75 (key).—Scholte 1935, p. 43 (key).—Gulde 1938, pp. 242, 249 (key).—Hoberlandt 1942, p. 124.—China 1943, p. 245.—Blöte 1945, p. 80.—Hurd 1946, p. 462.—Bailey 1951,

p. 32.—Kiritshenko 1951, pp. 240, 244 (key).—Singer 1952, p. 48.—Drake and Ruhoff 1959, p. 138; 1960a, p. 31.—Southwood and Leston 1959, p. 141.

Orthosteira Fieber 1844, p. 46.—Sahlberg 1848, p. 128.—China 1941, p. 130.—Drake and Ruhoff 1960a, p. 73.

Orthostira [sic]: Fieber 1861, p. 130.—Douglas and Scott 1865, p. 260.—Thomson 1871, p. 398.—Ferrari 1878, p. 82 (key).—Reuter 1882b, p. 114 (key).—Saunders 1892, p. 125.—Lethierry and Severin 1896, p. 6.

Fenestrella Osborn and Drake 1916a, p. 222.—Parshley 1917a, p. 14.—Drake and Ruhoff 1960a, p. 57.

Drakella Bergroth 1922, p. 152.—Blatchley 1926, p. 481.—Drake and Ruhoff 1960a, p. 54.

TYPE SPECIES: *Tingis carinata* Panzer.

**Acalypta acutangula* (Jakovlev)

Orthostira acutangula Jakovlev 1880a, p. 127 [Russia]; 1893, pp. 293, 302.

Acalypta acutangula: Horváth 1901, p. 475 [Turkey]; 1906a, p. 31 [Siberia].—Kiritshenko 1951, p. 244.—Hoberlandt 1955, p. 86.

TYPE: Holotype ♀, macropterous; Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R. (Siberia); Turkey.

HOST PLANT: Unrecorded.

**Acalypta barberi* Drake

Acalypta barberi Drake 1934a, p. 196 [N.Y.].—Drake and Ruhoff 1959, p. 137 [N.B.; moss; hops].

Acalypta mera Drake 1941a, p. 142 [B.C.; Oreg.].

TYPE: Holotype ♀, brachypterous; Merrifield, New York, U.S.; USNM.

DISTRIBUTION: U.S. (N.Y.; Oreg.); Canada (B.C.; N.B.).

HOST PLANTS: Moss; hops.

**Acalypta brunnea* (Germar)

Tingis brunnea Germar 1836, fasc. 18, tab. 23 [Austria].

Monanthia brunnea: Herrich-Schaeffer 1837, p. 25, pl. 118, fig. 374.

Orthosteira brunnea: Fieber 1844, p. 48, pl. 3, figs. 43–45.—Scholz 1847, p. 118 [Germany].—Herrich-Schaeffer 1850, p. 158.

Orthostira concinna Douglas and Scott 1863, p. 143, fig. 5 [England]; 1865, p. 260 [moss on oak].—Fieber 1864, p. 211.

Orthostira brunnea: Ferrari 1878, p. 82.—Puton 1879c, p. 95 [France].—Saunders 1892, p. 126, pl. 11, fig. 7.—Hüeber 1893, p. 305.

Acalypta brunnea: Stål 1874, p. 51.—Saunders 1875, p. 251 [moss].—Horváth 1906a, p. 28 [Belgium; Switzerland].—Muzik 1907, p. 53 [Czechoslovakia].—Butler 1923, p. 201 [Scotland; Ireland].—Stichel 1926, p. 106; 1960a, p. 276 [Sweden].—Scholte 1935, p. 44 [Netherlands].—Hoberlandt 1943b, pp. 120, 121, 122; 1944, pp. 33, 35.

TYPE: Austria; sex and deposition of type unknown.

DISTRIBUTION: Ireland; Scotland; England; Netherlands; Belgium; France; Switzerland; Austria; Czechoslovakia; Germany; Sweden.

HOST PLANTS: Moss; moss on oak.

NOTE: Life history study [Butler].

**Acalypta carinata* (Panzer)

Tingis carinata Panzer 1806, heft 99, tab. 20 [Germany].—Le Peletier and Serville 1828, p. 653.—Curtis 1839, tab. 741 [England].—Fieber 1844, p. 52, pl. 4, fig. 10.

Tingis cassidae Fallén 1807, p. 37 [Sweden]; 1829, p. 146.—Herrich-Schaeffer 1835, p. 59.—Zetterstedt 1840, p. 269 [Lapland].

Monanthia carinata: Burmeister 1835, p. 262.

Tingis cervina Germar 1836, fasc. 18, tab. 22.

Monanthia cervina: Herrich-Schaeffer 1837, p. 26, pl. 118, fig. 375; pl. 129, fig. G.—Vollenhoven 1878, p. 279, pl. 9, figs. 11, 11a [Netherlands].

?*Monanthia fracta* Herrich-Schaeffer 1838, pp. 53, 63.

?*Monanthia acuminata* Herrich-Schaeffer 1838, p. 63.

Acalypta carinata: Westwood 1840a, p. 477; 1840b, p. 121.—Horváth 1906a, p. 29 [Rumania].—Oshanin 1908, p. 407 [Belgium].—Jensen-Haarup 1912, p. 152 [Denmark].—Sahlberg 1920, p. 78.—Stichel 1926, p. 106; 1938a, p. 404 [Poland]; 1960a, p. 278, fig. 55 [Norway].—Drake 1928c, p. 1.—Lindberg 1932b, p. 211.—Scholte 1935, p. 44, fig. 8.—Hoberlandt 1943b, pp. 121, 122 [Czechoslovakia].—González 1948, p. 49 [Spain].—Kiritshenko 1951, p. 244.—Bator 1953, p. 324, pl. 2, fig. 2.—Southwood and Leston 1959, p. 142, pl. 21, fig. 2, text figs. 43, 48.—Štušák 1961, p. 80, fig. 20.

Orthosteira cervina: Fieber 1844, p. 48, pl. 4, figs. 1–3 [Austria].—Scholz 1847, p. 118.—Sahlberg 1848, p. 129 [Finland].—Herrich-Schaeffer 1850, p. 159.—Mayr 1858, p. 569.—China 1941, p. 130.

Orthosteira cassidea: Mayr 1858, p. 569 [moss].

Monanthia (*Orthosteira*) *cervina*: Flor 1860, p. 341 [Latvia; Estonia].

Orthostira cervina: Fieber 1861, p. 130; 1864, p. 212.—Douglas and Scott 1865, p. 262.—Frey-Gessner 1865, p. 233 [Switzerland].—Horváth 1874b, p. 432 [Hungary].—Jakovlev 1876b, p. 70 [Russia]; 1893, p. 301.—Reiber and Puton 1876, p. 68.—Puton 1879c, p. 96 [France].—Reuter 1882b, p. 114.—Dubois 1888, p. 120.—d' Antessanty 1890, p. 31.—Saunders 1892, p. 126, pl. 11, fig. 8.—Hüeber 1893, p. 305.

Orthostira cassidea: Frey-Gessner 1865, p. 233.—Garbiglietti 1869, p. 275 [Italy].—Thomson 1871, p. 399.

Acalypta cassidea: Stål 1874, p. 52.

Acalypta cervina: Reuter 1874, p. 563.—Saunders 1875, p. 252.—Reichensperger 1920, p. 61.—Butler 1923, p. 202, fig. [Wales; Scotland; Ireland].—Blöte 1945, p. 80 [Yugoslavia; Algeria].

TYPE: Mannheim, Germany; sex and deposition of type unknown.

DISTRIBUTION: England; Scotland; Wales; Ireland; Netherlands; Belgium; France; Spain; Italy; Switzerland; Czechoslovakia; Austria; Hungary; Yugoslavia; Rumania; Germany; Denmark; Poland; U.S.S.R. (Latvia; Estonia); Finland; Sweden; Norway; (Lapland); Algeria.

HOST PLANT: Moss.

NOTE: Nymphs [Butler]; eggs [Štušák].

Acalypta carinata var. *angustula* Horváth

Acalypta cervina var. *angustula* Horváth 1898a, p. 69 [Hungary; France].

Acalypta carinata var. *angustula*: Horváth 1906a, p. 30 [Germany; Austria; Rumania; Finland; Estonia; Latvia; Lapland].—Sahlberg 1920, p. 79.—Scholte 1935, p. 44 [Netherlands].—Stichel 1960a, p. 278.

TYPE: Unknown.

DISTRIBUTION: Netherlands; France; Germany; Austria; Hungary; Rumania; U.S.S.R. (Estonia; Latvia); Finland; (Lapland).

HOST PLANT: Unrecorded.

Acalypta carpathica Horváth

Acalypta carpathica Horváth 1905b, p. 561 [Rumania]; 1906a, p. 30.—Stichel 1960a, p. 278.

TYPE: Sex unknown; Sinaia, Rumania; Hungarian Mus.

DISTRIBUTION: Rumania.

HOST PLANT: Unrecorded.

***Acalypta cooleyi** Drake

Acalypta cooleyi Drake 1917a, p. 213 [Mont.]; 1928c, p. 9.

TYPE: Holotype ♀, macropterous; Bozeman, Montana, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Mont.; Oreg.; Calif.).

HOST PLANT: Unrecorded.

***Acalypta duryi** Drake

Fenestrella ovata Osborn and Drake 1916a, p. 223, fig. 3 [Ohio]; 1917a, p. 155, pl. 8, fig. d.

Drakella [*ovata*]: Bergroth 1922, p. 152.

Drakella ovata: Blatchley 1926, p. 482, fig. 112.

Acalypta ovata: Drake 1928c, p. 3, fig. 1a [moss].

Acalypta duryi Drake 1930d, p. 268.

TYPE: Holotype ♀, brachypterous; Cincinnati, Ohio, U.S.; Ohio State Univ.

DISTRIBUTION: U.S. (Ohio; N.C.; Tenn.).

HOST PLANT: Moss.

Acalypta elegans Horváth

Acalypta elegans Horváth 1906a, p. 32 [Siberia].

TYPE: Sex unknown; Siberia, Russia; Helsin. Mus.

DISTRIBUTION: U.S.S.R. (Siberia).

HOST PLANT: Unrecorded.

Acalypta elinoides (Jakovlev)

Orthostira elinoides Jakovlev 1893, pp. 294, 302 [Russia].

Acalypta elinoides: Horváth 1906a, p. 31 [Siberia].

TYPE: Sex and locality unknown; Leningrad Inst.

DISTRIBUTION: U.S.S.R. (Siberia).

HOST PLANT: Unrecorded.

Acalypta finitima (Puton)

Orthostira finitima Puton 1884, p. 313 [France].

Acalypta finitima: Horváth 1906a, p. 29.

TYPE: Sex unknown; St. Martin-Lantosque, France; Paris Mus.

DISTRIBUTION: France.

HOST PLANT: Unrecorded.

***Acalypta gracilis** (Fieber)

Orthostira gracilis Fieber 1844, p. 54, pl. 4, figs. 19–21 [Czechoslovakia; *Thymus serpyllus*].—Scholz 1847, p. 118 [Germany].—Herrich-Schaeffer 1850, p. 159.—Mayr 1858, p. 569 [Austria; *Echium vulgare*].

Monanthia (Orthostira) parvula (not Fallén): Flor 1860, pp. 333, 335 [Estonia; Latvia; Sweden].

Orthostira gracilis: Fieber 1861, p. 131 [*Thymus*].—Horváth 1874b, p. 432 [Hungary].—Reiber and Puton 1876, p. 68.—Ferrari 1878, pp. 65, 83.—Puton 1879c, p. 99 [France].—Reuter 1882b, p. 116 [Finland; moss].—Jakovlev 1893, p. 293 [Russia].—Hüeber 1893, p. 310.

Orthostira biseriata Thomson 1871, p. 402.

Orthostira reticosta Thomson 1871, p. 402.

Orthostira propinqua Ferrari 1874, p. 171 [Italy; *Plantago cynops*].

Acalypta gracilis: Puton 1874a, p. 227.—Reuter 1874, p. 564; 1880b, p. 165.—Horváth 1906a, p. 33 [Denmark; Rumania; Siberia].—Jensen-Haarup 1912, p. 152.—Schumacher 1914, p. 257 [*Artemisia*; *Calluna*].—Sahlberg 1920, p. 80.—Stichel 1926, p. 107; 1938a, p. 404 [Poland]; 1960a, p. 281 [*Erodium cicutarium*; Norway; Switzerland].—Scholte 1935, p. 46, figs. 11, 12 [Netherlands].—Börner 1935, p. 75, figs. 113, 119a.—Gulde 1938, p. 258, fig. [*Artemisia campestris*].—Hoberlandt 1943b, p. 122.—Kiritshenko 1951, p. 244.

Orthostira parvula var. *biseriata*: Ferrari 1878, p. 83.

Orthostira parvula var. *reticosta*: Ferrari 1878, p. 83.

Orthostira parvula var. *propinqua*: Ferrari 1878, p. 83.

TYPE: Sex unknown; Prague, Czechoslovakia; Vienna Mus.

DISTRIBUTION: Netherlands; France; Switzerland; Germany; Czechoslovakia; Italy; Austria; Hungary; Rumania; Poland; Denmark; Norway; Sweden; Finland; U.S.S.R. (Latvia; Estonia; Siberia).

HOST PLANTS: *Artemisia campestris*; *Artemisia* sp.; *Calluna* sp.; *Echium vulgare*; *Erodium cicutarium*; *Plantago cynops*; *Thymus serpyllus*; *Thymus* sp.; moss.

****Acalypta hellenica* Reuter**

Acalypta hellenica Reuter 1888, p. 224 [Greece]; 1891a, p. 25.—Horváth 1889, p. 329 [Russia]; 1906a, p. 33 [France; Corsica; Italy; Yugoslavia]; 1911b, p. 584 [Sicily].—Oshanin 1912, p. 42 [Austria].—Lindberg 1936b, p. 29 [Canary Islands].—Stichel 1938a, p. 404 [Turkey]; 1960a, p. 281 [Sardinia].—Kiritshenko 1951, p. 245.—Mancini 1953d, p. 15.—Gomez-Menor 1955b, p. 249 [Spain; *Quercus*].

TYPE: Sex unknown; Greece; Helsin. Mus.

DISTRIBUTION: France; Corsica; Spain; Sardinia; Italy; Sicily; Austria; Yugoslavia; Greece; Turkey; U.S.S.R.; Canary Islands.

HOST PLANT: *Quercus* sp.

***Acalypta heteropepla* Horváth**

Acalypta heteropepla Horváth 1907, p. 303 [Algeria].

TYPE: Holotype ♀; Mons Babor, Algeria; Oxford Mus.

DISTRIBUTION: Algeria.

HOST PLANT: Unrecorded.

***Acalypta hoberlandti* Roubal**

Acalypta hoberlandti Roubal 1958, p. 54, fig. 1 [France].—Stichel 1960a, p. 274, fig. 42.

TYPE: Sex unknown; France; Roubal Coll.

DISTRIBUTION: France.

HOST PLANT: Unrecorded.

****Acalypta lillianis* Torre-Bueno**

Acalypta lillianis Torre-Bueno 1916, p. 39 [N.Y.; Maine; Mich.].—Osborn and Drake 1916a, p. 221, figs. 1, 2 [Ohio; N.H.; Ont.].—Van Duzee 1917b, p. 212 [N.J.].—Parshley 1917a, p. 14; 1917b, p. 53; 1923b, p. 698.—Barber 1922a, p. 17 [moss].—McAtee 1923, p. 145 [D.C.].—Blatchley 1926, p. 481, fig. 111 [Ind.; *Climacium americanum*].—Drake 1928b, p. 100; 1928c, p. 6 [Iowa; Ill.; Pa.; Que.].—Froeschner 1944, p. 669.—Hurd 1946, p. 463 [N. Dak.].—Bailey 1951, p. 32 [*Polytrichum*].—Lindberg 1958b, p. 14 [Nfld.; *Dryas*; *Oxytropis*].—Byers 1959, p. 191.

Acalypta ovata Osborn and Drake 1916b, p. 9, fig. 1.—Drake 1932, p. 100 [Tenn.].

Acalypta grisea Heidemann 1917, p. 218, pl. 17, fig. 2 [Mass.; N.C.; Md.].—McAtee 1917b, p. 78.

Acalypta modesta Parshley 1921, p. 16 [B.C.].—Downes 1925, p. 14; 1927a, p. 10.—Drake 1928c, p. 7.

TYPE: Lectotype ♀; White Plains, New York, U.S.; Snow Mus.

DISTRIBUTION: U.S. (Maine; N.H.; Vt.; Mass.; Conn.; R.I.; N.Y.; N.J.; Pa.; Md.; D.C.; Va.; N.C.; Tenn.; Ohio; Ill.; Ind.; Mich.; Wis.; Nebr.; Iowa.; Minn.; N. Dak.; Idaho; Alaska); Canada (Nfld.; Que.; Ont.; B.C.).

HOST PLANTS: *Climacium americanum*; *Dryas* sp.; *Oxytropis* sp.; *Polytrichum* sp.; moss.

NOTE: Lectotype designated [Byers].

****Acalypta marginata*** (Wolff)

Acanthia marginata Wolff 1804, p. 131, pl. 13, fig. 126 [Hungary].—

Fieber 1844, p. 50, pl. 4, fig. 8.

Tingis pusilla Herrich-Schaeffer 1835, p. 59.

Monanthia pusilla: Herrich-Schaeffer 1837, p. 24, pl. 118, fig. 373; 1838, p. 64, pl. 129, fig. F.

Orthosteira macrophthalma Fieber 1844, pp. 49, 110, pl. 4, figs. 4–7 [Sweden; Germany; Czechoslovakia; Austria].—Sahlberg 1848, p. 129 [Finland].—Herrich-Schaeffer 1850, p. 159.

Orthosteira pusilla: Fieber 1844, p. 51, pl. 4, fig. 9 [moss].

Monanthia (Orthosteira) cinerea (not Fieber): Flor 1860, pp. 333, 337 [Latvia; Estonia].

Orthostira pusilla: Fieber 1861, p. 131.—Garbiglietti 1869, p. 275 [Italy].—Ferrari 1878, p. 83.

Orthostira cylindricornis Thomson 1871 p. 401.

Acalypta macrophthalma: Reuter 1874, p. 564.—Saunders 1875, p. 253.—Butler 1923, p. 203.

Orthostira macrophthalma: Reiber and Puton 1878, p. 68.—Puton 1879c, p. 98 [France].—Chicote 1880, p. 189 [Spain].—Reuter 1882b, p. 116 [Lapland].—Saunders 1892, p. 128.—Hüeber 1893, p. 309 [Switzerland; *Thymus*; *Artemisia campestris*].—Jakovlev 1893, p. 293 [Russia].

Orthostira acutispinis Reuter 1886, p. 233.

Acalypta marginata: Horváth 1906a, pp. 26, 31, pl. 1, fig. 5 [Yugoslavia; Bulgaria; Armenia].—Oshanin 1908, p. 410 [Caucasus].—Sahlberg 1920, p. 80.—Stichel 1926, p. 107, fig. 296; 1938a, p. 404 [Norway]; 1938b, p. 454; 1960a, p. 280, fig. 60 [Portugal; *Calluna vulgaris*].—Scholte 1935, p. 46, fig. 9 [Netherlands].—Poisson 1938, p. 589 [*Erodium*].—China 1943, p. 246.—Kiritshenko 1951, p. 244.—Stehlik 1952, p. 205.—Bator 1953, p. 324, pl. 2, fig. 5.—Štušák 1957b, p. 135, fig. 2; 1961a, p. 79, figs. 4a, b, 7; pl. 1, fig. c.—Cobben 1958b, p. 16 [*Hieracium pilosella*].

TYPE: Hungary; sex and deposition of type unknown.

DISTRIBUTION: Netherlands; France; Spain; Italy; Portugal; Switzerland; Czechoslovakia; Germany; Austria; Hungary; Bulgaria; Yugoslavia; Poland; Norway; Sweden; Finland; (Lapland); U.S.S.R. (Latvia; Estonia; Armenia; Siberia; Caucasus).

HOST PLANTS: *Artemisia campestris*; *Calluna vulgaris*; *Erodium* sp.; *Hieracium pilosella*; *Thymus* sp.; moss.

NOTE: Records from England incorrect [China]. Associated with ants [Stichel 1960].

**Acalypta mniophila* Drake and Ruhoff

Acalypta mniophila Drake and Ruhoff 1959, p. 136, fig. 1 [Mexico].

TYPE: Holotype ♀, brachypterous; Mexico; USNM.

DISTRIBUTION: Mexico.

HOST PLANT: Moss.

Acalypta montana Hoberlandt

Acalypta montana Hoberlandt 1944, p. 34, fig. [Czechoslovakia].—

Stichel 1960a, p. 276, fig. 49.

TYPE: Holotype ♂; Savinské Alps, Montes Alpinum, Czechoslovakia; Prague Mus.

DISTRIBUTION: Czechoslovakia.

HOST PLANT: Unrecorded.

**Acalypta musci* (Schrank)

Cimex musci Schrank 1781, p. 265 [Austria; moss].

Orthosteira cassidea (not Fallén): Fieber 1844, p. 47, pl. 3, figs. 39–42

[Germany; Czechoslovakia; Italy].—Herrich-Schaeffer 1850, p. 159.

Campylosteira (Orthosteira) cassidea: Kolenati 1856, p. 430 [Caucasus].

Orthostira cassidea: Fieber 1861, p. 130 [France].

Orthostira musci: Reiber and Puton 1876, p. 68.—Ferrari 1878, p. 82.—

Puton 1879c, p. 94 [Hungary].—Chicote 1880, p. 189 [Spain].—

Jakovlev 1880b, p. 100 [Russia].—Hüeber 1893, p. 303 [Switzerland].

Acalypta musci: Horváth 1906a, p. 28 [Yugoslavia; Rumania; Bulgaria;

Belgium].—Mužik 1907, p. 53, fig. 3.—Stichel 1926, p. 106; 1960a,

p. 275, fig. 46 [Andorra; Poland; *Coriolus versicolor*; *Trametes gibbosa*;

Polyporus unicolor].—Scholte 1935, p. 44, fig. 7 [Netherlands].—

Hoberlandt 1943b, p. 122.—Kiritshenko 1951, p. 244, fig. 329.—

Bator 1953, p. 324, pl. 2, fig. 1.—Mancini 1953c, p. 22; 1954b,

p. 11.—Štušák 1957b, pp. 134, 140, figs. 1, 13b, 15c; 1958, p. 365,

figs. 5–7.

TYPE: Austria; sex and deposition of type unknown.

DISTRIBUTION: Andorra; Spain; France; Belgium; Netherlands; Germany; Czechoslovakia; Switzerland; Austria; Hungary; Italy; Yugoslavia; Rumania; Poland; U.S.S.R. (Caucasus); Sweden.

HOST PLANTS: *Coriolus versicolor*; *Polyporus unicolor*; *Trametes gibbosa*; moss.

NOTE: Eggs [Štušák].

**Acalypta musci* var. *ditata* (Puton)

Acalypta musci (not Schrank): Stål 1874, p. 51.

Orthostira musci var. *ditata* Puton 1879b, p. 297; 1879c, p. 94 [France;

Austria; moss].—Chicote 1880, p. 189 [Spain].

Acalypta musci var. *ditata*: Horváth 1906a, p. 28 [Switzerland; Italy;

Germany; Hungary; Yugoslavia; Bulgaria; Rumania].—Mužik

1907, p. 53 [Czechoslovakia].—Scholte 1935, p. 44 [Netherlands].—

Blöte 1945, p. 81 [Tunisia].—Bator 1953, p. 324.—Mancini 1954b,

p. 11.

Acalypta musci var. *dilatata* [sic]: Gomez-Menor 1955b, p. 249 [Andorra].

TYPE: Unknown.

DISTRIBUTION: Spain; Andorra; France; Belgium; Netherlands; Germany; Czechoslovakia; Austria; Hungary; Switzerland; Italy; Yugoslavia; Bulgaria; Rumania; U.S.S.R. (Caucasus); Tunisia.

HOST PLANT: Moss.

***Acalypta musci* var. *triseriata* Stichel**

Acalypta musci var. *triseriata* Stichel 1960a, p. 275.

TYPE: Unknown.

DISTRIBUTION: Unknown.

HOST PLANT: Unknown.

****Acalypta nigrina* (Fallén)**

Tingis nigrina Fallén 1807, p. 37 [Finland]; 1829, p. 145.—Herrich-Schaeffer 1830, heft 118, tab. 16 [Germany].—Zetterstedt 1840, p. 269 [Lapland].

Tingis pusilla Fallén 1807, p. 38 [Sweden]; 1829, p. 146.—Curtis 1839, tab. 741 [England].

Tingis nigrinus: Herrich-Schaeffer 1835, p. 58.

Monanthia pusilla: Burmeister 1835, p. 262.

Monanthia nigrina: Herrich-Schaeffer 1838, pp. 52, 62, pl. 125, fig. G.

Monanthia (Phyllontocheila) nigrina: Fieber 1844, p. 63, pl. 5, figs. 23–24.—Herrich-Schaeffer 1850, p. 156.

Orthosteira cinerea Fieber 1844, pp. 52, 110, pl. 4, figs. 11–14 [Czechoslovakia; moss].—Sahlberg 1848, p. 130.—Herrich-Schaeffer 1850, p. 159.—Mayr 1858, p. 569 [Austria].

Monanthia (Orthosteira) nigrina: Flor 1860, p. 334 [Estonia; Latvia].

Orthostira nigrina: Fieber 1861, p. 131.—Frey-Gessner 1865, p. 233 [Switzerland].—Jakovlev 1871, p. 26 [Russia].—Thomson 1871, p. 400.—Horváth 1874b, p. 432 [Hungary].—Ferrari 1874, p. 172 [Italy; *Spartium junceum*]; 1878, p. 83.—Reiber and Puton 1876, p. 68.—Puton 1879c, p. 98 [France].—Saunders 1892, p. 127, pl. 11, fig. 9.—Hüeber 1893, p. 307.

Orthostira pusilla: Frey-Gessner 1865, p. 233.—Gredler 1870, p. 76.

Acalypta nigrina: Stål 1874, p. 52.—Reuter 1874, p. 564.—Saunders 1875, p. 252.—Horváth 1906a, p. 31 [*Thymus serpyllus*].—Reichensperger 1920, p. 61.—Sahlberg 1920, p. 79.—Butler 1923, p. 203 [Scotland].—Stichel 1926, p. 107 [*Hieracium murorum*]; 1938a, p. 404 [Norway; Poland]; 1960a, p. 279 [Iceland; Denmark; *Calluna vulgaris*].—Poisson 1938, p. 589 [*Erodium*].—Blöte 1945, p. 81 [Tunisia].—Kiritshenko 1951, p. 244.—Stehlik 1952, p. 205.—Bator 1953, p. 324, pl. 2, fig. 4.—Southwood and Leston 1959, p. 144, pl. 21, fig. 3, text fig. 49.

Monanthia carinata (not Panzer): Vollenhoven 1878, p. 280, pl. 10, figs. 1, 1a [Netherlands].

TYPE: Sex unknown; Finland; Lund Zool. Inst.

DISTRIBUTION: England; Scotland; Netherlands; France; Germany; Italy; Switzerland; Czechoslovakia; Austria; Hungary; Poland; Denmark; Norway; Sweden; Finland; (Lapland); Iceland; U.S.S.R. (Estonia; Latvia); Tunisia.

HOST PLANTS: *Calluna vulgaris*; *Erodium* sp.; *Hieracium murorum*; *Spartium junceum*; *Thymus serpyllus*; moss.

**Acalypta nigrinervis* Stål

Acalypta nigrinervis Stål 1874, p. 52 [Spain].—Horváth 1906a, p. 28.

Orthostira nigrinervis: Ferrari 1878, p. 82.—Puton 1879c, p. 95 [France].—Chicote 1880, p. 189.

TYPE: Sex unknown; Spain; Stockholm Mus.

DISTRIBUTION: Spain; France.

HOST PLANT: Unrecorded.

**Acalypta nyctalis* Drake

Acalypta nyctalis Drake 1928c, pp. 3, 5 [N.H.; Alta.].—Bailey 1951, p. 35.—Lindberg 1958b, p. 13 [Nfld.; Alaska; moss].

TYPE: Holotype ♀, brachypterous; Franconia, New Hampshire, U.S.; USNM.

DISTRIBUTION: U.S. (N.H.; Alaska); Canada (Alta.; Nfld.).

HOST PLANT: Mosses.

**Acalypta parvula* (Fallén)

Tingis parvula Fallén 1807, p. 37 [Sweden]; 1829, p. 145.—Curtis 1839, tab. 741 [England].—Fieber 1861, p. 384.

Monanthia obscura Herrich-Schaeffer 1837, p. 23, pl. 118, fig. 372 [Germany; moss].—Vollenhoven 1878, p. 281, pl. 10, fig. 2.

Orthosteira obscura: Fieber 1844, p. 54, pl. 4, figs. 22–25 [Czechoslovakia; Austria; *Thymus serpyllus*].—Sahlberg 1848, p. 130.—Herrich-Schaeffer 1850, p. 160.—Mayr 1858, p. 569 [Hungary].

Monanthia (Phyllontocheila) parvula: Fieber 1844, p. 66.

Orthostira obscura: Fieber 1861, p. 131.—Douglas and Scott 1865, p. 263.—Frey-Gessner 1865, p. 233 [Switzerland].—Garbiglietti 1869, p. 275 [Italy].

Orthostira parvula: Thomson 1871, p. 401.—Reiber and Puton 1876, p. 68.—Puton 1879c, p. 99 [France; Corsica].—Reuter 1882b, p. 116 [Finland].—Saunders 1892, p. 127, pl. 11, figs. 10, 10a.—Hüeber 1893, p. 312.—de Walsche 1960, p. 38.

Acalypta parvula: Stål 1874, p. 52.—Reuter 1874, p. 564; 1880b, p. 165.—Saunders 1875, p. 252.—Horváth 1906a, p. 33 [Spain; Belgium].—Oshanin 1908, p. 412 [Portugal; Algeria].—Jensen-Haarup 1912, p. 152, fig. 95 [Denmark].—Reichensperger 1920, p. 61.—Sahlberg 1920, p. 81 [*Thymus*].—Butler 1923, p. 204 [Scotland; Ireland; *Herniaria*].—Stichel 1926, p. 107, fig. 297; 1938a, p. 404

[Norway; Russia; Poland; Yugoslavia]; 1960a, p. 282, fig. 65 [Bulgaria; Sardinia; *Calluna vulgaris*; *Coriulus versicolor*; *Trametes gibbosa*; *Polyporus hirsutus*; *Pholiota mutabilis*].—de Scabra 1931, p. 412, figs. 484, 485.—Scholte 1935, p. 46, fig. 10.—Börner 1935, p. 75, fig. 119b.—Poisson 1938, p. 589 [*Erodium*].—China 1938, p. 20 [Madeira].—Kiritshenko 1951, p. 245.—Novak and Wagner 1951, p. 70.—Leston 1953, p. 132, fig. 1.—Mancini 1953d, p. 15; 1954b, p. 11.—Gomez-Menor 1955b, p. 249.—Štušák 1957b, pp. 135, 140, figs. 3, 15d; 1961a, p. 80, fig. 17.—Southwood and Leston 1959, p. 144, pl. 25, fig. 4; fig. 42.—Lindberg 1960b, p. 92.

Orthostira parvula var. *macroptera* Ferrari 1878, p. 83.

Orthostira parvula var. *pallescens* Ferrari 1878, p. 83.

Orthostira parvula var. *major* Ferrari 1878, p. 83.

Orthostira parvula var. *minor* Ferrari 1878, p. 83.—Puton 1879c, p. 99.

Monanthia parvula: Vollenhoven 1878, p. 278, pl. 9, figs. 10, 10a [Netherlands].

Campylostira parvula var. *fuscicornis* Rey 1893, p. 97.

Campylostira parvula var. *minor*: Rey 1893, p. 97.

TYPE: Sex unknown; Scania, Sweden; Lund Zool. Inst.

DISTRIBUTION: England; Scotland; Ireland; Netherlands; Belgium; France; Portugal; Spain; Italy; Sardinia; Corsica; Switzerland; Czechoslovakia; Austria; Hungary; Bulgaria; Yugoslavia; Poland; Germany; Denmark; Norway; Sweden; Finland; U.S.S.R.; Algeria; Madeira Islands.

HOST PLANTS: *Calluna vulgaris*; *Climacium dendroides*; *Erodium* sp.; *Herniaria* sp.; *Thymus serpyllus*; *Thymus* sp.; moss; fungi (*Coriulus versicolor*; *Pholiota mutabilis*; *Polyporus hirsutus*; *Trametes gibbosa*).

NOTE: Study of eggs [Leston; Štušák]. Found in association with ants [Stichel 1960a].

**Acalypta platycheila* (Fieber)

Orthosteira platycheila Fieber 1844, p. 53, pl. 4, figs. 15-18 [Austria; Czechoslovakia].—Herrich-Schaeffer 1850, p. 159.

Monanthia (Orthosteira) intermedia Flor 1860, p. 339 [Estonia; Latvia].

Orthostira platycheila [sic]: Fieber 1861, p. 130.—Thomson 1871, p. 400 [Sweden].—Ferrari 1878, p. 83.—Puton 1879c, p. 97 [France].—Reuter 1882b, p. 115 [Lapland; moss].—Jakovlev 1893, p. 301 [Russia].—Hüeber 1893, p. 306.

Acalypta platycheila [sic]: Reuter 1874, p. 563.—Sahlberg 1878, p. 21 [Germany; Finland]; 1920, p. 79.—Butler 1923, p. 203 [*Carex*].—Stichel 1938a, p. 404 [Denmark; Belgium].—Southwood and Leston 1959, p. 142, pl. 21, fig. 7; fig. 50.

Monanthia nigrina (not Fallén): Vollenhoven 1878, p. 277, pl. 9, figs. 9, 9a [Netherlands].

Acalypta platycheila: Horváth 1906a, p. 30, pl. 1, fig. 4 [England; Hungary; Siberia].—Stichel 1926, p. 107, fig. 295; 1960a, p. 279 [Norway; Poland; Yugoslavia].—Kiritshenko 1951, p. 244.—Bator 1953, p. 324.—Massee 1954, p. 259.—Mancini 1954b, p. 11 [Italy].—Cobben 1958b, p. 16.

TYPE: Unknown.

DISTRIBUTION: England; Netherlands; Belgium; France; Italy; Czechoslovakia; Austria; Hungary; Yugoslavia; Poland; Germany; Denmark; Sweden; Norway; (Lapland); Finland; U.S.S.R. (Estonia; Latvia; Siberia).

HOST PLANTS: *Carex* sp.; moss.

**Acalypta pulchra* Štušák

Acalypta pulchra Štušák 1961b, p. 261, figs. 1–3 [Bulgaria; moss].

TYPE: Holotype ♂, brachypterous; Borovec, Rila Planina, Bulgaria; Štušák Coll., Prague, Czechoslovakia.

DISTRIBUTION: Bulgaria.

HOST PLANT: Moss.

**Acalypta samara* (Puton)

Orthostira samara Puton 1887, p. 98 [Switzerland].

Acalypta samara: Horváth 1906a, p. 27.—Roubal 1958, p. 54 [France].—

Stichel 1960a, p. 274, fig. 44 [Austria].

TYPE: Sex unknown; Lugano, Switzerland; Paris Mus.

DISTRIBUTION: Switzerland; France; Austria.

HOST PLANT: Unrecorded.

**Acalypta saundersi* (Downes)

Drakella saundersi Downes 1927b, p. 60 [B.C.].

Acalypta saundersi: Drake 1928c, p. 4, fig. 1b; 1930d, p. 268 [moss; Wash.].

TYPE: Holotype ♀, macropterous; Goldstream, British Columbia, Canada; Canada. Coll.

DISTRIBUTION: Canada (B.C.); U.S. (Wash.; Oreg.).

HOST PLANT: Moss.

**Acalypta sauteri* Drake

Acalypta sauteri Drake 1942a, p. 14 [Japan].—Takeya 1951a, p. 6.

TYPE: Holotype ♂, brachypterous; Oayama, Japan; Drake Coll. (USNM).

DISTRIBUTION: Japan.

HOST PLANT: Unrecorded.

NOTE: Intercepted at port-of-entry, New York City, on packing mosses.

Acalypta sejuncta Horváth

Acalypta sejuncta Horváth 1905b, p. 561 [Armenia]; 1906a, p. 30 [Syria].—

Oshanin 1908, p. 409 [Transcaucasus].—Hoferlandt 1955, p. 86 [Turkey].

TYPE: Sex unknown; Vallis Araxis, Armenia, Russia; Hungarian Mus.

DISTRIBUTION: U.S.S.R. (Armenia; Transcaucasus); Syria; Turkey.

HOST PLANT: Unrecorded.

***Acalypta sibirica* Jakovlev**

Acalypta sibirica Jakovlev 1903a, p. 4 [Siberia].—Horváth 1906a, p. 30.

TYPE: Holotype ♂, brachypterous; Irkoutsk, Siberia, Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R. (Siberia).

HOST PLANT: Unrecorded.

***Acalypta sordida* (Jakovlev)**

Orthostira sordida Jakovlev 1893, pp. 293, 301, 302 [Siberia].

Acalypta sordida: Reuter 1902, p. 151.—Horváth 1906a, p. 30.

TYPE: Sex unknown; Siberia, Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R. (Siberia).

HOST PLANT: Unrecorded.

***Acalypta subtilis* (Reuter)**

Orthostira subtilis Reuter 1882a, p. cxxx [Transcaucasus].

Acalypta subtilis: Horváth 1906a, p. 34.

TYPE: Sex unknown; Lenkoran, Russia; Helsin. Mus.

DISTRIBUTION: U.S.S.R. (Transcaucasus; Caucasus).

HOST PLANT: Unrecorded.

***Acalypta suturalis* (Puton)**

Orthostira suturalis Puton 1879b, p. 297 [Spain]; 1879c, p. 95.—Chicote 1880, p. 189.

Acalypta suturalis: Horváth 1906a, p. 29.—Stichel 1960a, p. 277.

TYPE: Sex unknown; Irun, Spain; Paris Mus.

DISTRIBUTION: Spain.

HOST PLANT: Unrecorded.

****Acalypta thomsonii* Stål**

Acalypta thomsonii Stål 1873, p. 122 [Carolina].—Osborn and Drake 1916a, p. 220 [S.C.; Va.].—Heidemann 1917, p. 220, pl. 17, fig. 3 (fig. only).—Parshley 1923b, p. 699.—Blatchley 1926, p. 480, fig. 110.—Bailey 1951, p. 35 [R.I.; Md.].

Acalypta thomsoni [sic]: Drake 1926b, p. 377, pl. 34, fig. d; 1928c, p. 4, fig. 2 [D.C.; moss; sphagnum].

Acalypta madelinae Torre-Bueno 1926b, p. 117 [Mass.].

TYPE: Lectotype ♂, brachypterous; "Carolina meridionalis," U.S.; Stockholm Mus.

DISTRIBUTION: U.S. (Mass.; R.I.; N.J.; Md.; D.C.; Va.; N.C.; S.C.; Ga.; Fla.).

HOST PLANTS: Moss; sphagnum.

***Acalypta uniseriata** (Puton)

Orthostira uniseriata Puton 1879b, p. 297 [Caucasus]; 1879c, p. 94.

Acalypta uniseriata: Horváth 1906a, p. 28.—Kiritshenko 1951, p. 244.—
Stichel 1960a, p. 275.

TYPE: Sex unknown; Caucasus, Russia; Paris Mus.

DISTRIBUTION: U.S.S.R. (Caucasus).

HOST PLANT: Unrecorded.

***Acalypta vanduzeei** Drake

Acalypta vanduzeei Drake 1928c, pp. 3, 8 [Calif.].

TYPE: Holotype ♂, brachypterous; Green Point Ranch, Humboldt County, California, U.S.; Cal. Acad.

DISTRIBUTION: U.S. (Calif.).

HOST PLANT: Moss.

***Acalypta vandykei** Drake

Acalypta vandykei Drake 1928c, pp. 3, 8 [Calif.].—Hurd 1946, p. 463
[Oreg.].

TYPE: Holotype ♂; San Francisco County, California, U.S.; Cal. Acad.

DISTRIBUTION: U.S. (Calif.; Oreg.).

HOST PLANT: Unrecorded.

Genus ACANTHOICHEILA Stål

Monanthia (Acanthocheila) Stål 1858, p. 61.

Acanthochila [sic]: Stål 1873, p. 127.—Lethierry and Severin 1896, p. 14.—Banks 1910, p. 55.

Acanthocheila: Van Duzee 1916, p. 26; 1917b, p. 219.—Blatchley 1926, p. 479.—Monte 1939b, p. 64; 1941e, p. 73.—Hurd 1946, p. 469.—Drake and Ruhoff 1960a, p. 32.

TYPE SPECIES: *Monanthia (Acanthocheila) armigera* Stål.

***Acanthocheila abducta** Buchanan-White

Acanthocheila abducta Buchanan-White 1879, p. 485 [Brazil].

Acanthocheila kahavalu Kirkaldy 1905, p. 216 [Peru].—Drake 1922b, p. 42
[Bolivia].—Monte 1940e, p. 287.—Blöte 1945, p. 85.

Acanthocheila kahavala [sic]: Drake 1931b, p. 511.

TYPE: Holotype ♀; Brazil; deposition unknown.

DISTRIBUTION: Brazil; Peru; Bolivia.

HOST PLANT: Unrecorded.

***Acanthocheila armigera** (Stål)

Monanthia (Acanthocheila) armigera Stål 1858, p. 61 [Brazil].

Monanthia (Acanthocheila) spinuligera Stål 1858, p. 61.

Acanthochila armigera: Stål 1873, p. 127.—Distant 1888, p. lxxxiii.—
Champion 1897, p. 28, pl. 2, figs. 19, 19a, 20 [Mexico; Guatemala;
Panama]; 1898b, p. 60.—Van Duzee 1907, p. 20 [Jamaica].—
Osborn and Drake 1915b, p. 536.—Drake and Poor 1937d, p. 306

[Haiti; Peru; Bolivia; Colombia; Nicaragua; Puerto Rico; Cuba; Tex.].

Acanthochila spinuligera: Stål 1873, p. 127.

Acanthocheila armigera: Drake and Bruner 1924a, p. 146 [Trinidad].—Drake 1926b, p. 377; 1928e, p. 5 [Honduras].—Drake and Hambleton 1934, p. 442 [*Pisonia*]; 1945, p. 359 [Ecuador].—Costa Lima 1936, p. 124.—Monte 1938b, p. 128 [Argentina; Venezuela]; 1940d, p. 100 [*Nicotiana tabacum*]; 1942d, p. 108.—Singh 1953, p. 117.—Silva 1956, p. 15, fig. 1 [*Ouratea*].

Acanthocheila nigrescens (not Drake and Bondar): Monte 1937a, p. 31 [*Pisonia tomentosa*].

TYPE: Sex unknown; Rio de Janeiro, Brazil; Stockholm Mus.

DISTRIBUTION: Argentina; Bolivia; Brazil; Peru; Ecuador; Colombia; Venezuela; Panama; Nicaragua; Honduras; Guatemala; Mexico; U.S. (Tex.); Cuba; Puerto Rico; Trinidad; Jamaica; Haiti.

HOST PLANTS: *Nicotiana tabacum*; *Ouratea* sp.; *Pisonia tomentosa*; *Pisonia* sp.

****Acanthocheila comentis*** Drake

Acanthochila comentis Drake 1953a, p. 13 [Brazil].

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

****Acanthocheila comitis*** Drake

Acanthocheila comitis Drake 1948c, p. 23 [Maria Magdalena Island].

TYPE: Holotype ♀; Magdalena Island, Tres Marias; Cal. Acad.

DISTRIBUTION: Mexico, Los Tres Marias Islands (Maria Magdalena).

HOST PLANT: Unrecorded.

Acanthocheila denieri Monte

Acanthocheila denieri Monte 1940e, p. 287, fig. 1 [Argentina].

TYPE: Holotype ♂; Clorinda, Formosa, Argentina; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

****Acanthocheila dira*** Drake and Hambleton

Acanthocheila dira Drake and Hambleton 1945, p. 359 [Guatemala].

TYPE: Holotype ♀, macropterous; El Porvenir, Guatemala; Drake Coll. (USNM).

DISTRIBUTION: Guatemala.

HOST PLANT: Unrecorded.

****Acanthocheila exquisita* Uhler**

Acanthocheila exquisita Uhler 1889, p. 143 [Fla.].—Barber 1914, p. 507.—
Drake 1919a, p. 421.—Blatchley 1926, p. 479.—Monte 1940e, p.
288, fig. 2.

TYPE: Holotype ♀, macropterous; Cape Florida, Florida, U.S.; Cornell Univ.

DISTRIBUTION: U.S. (Fla.); Bahama Islands.

HOST PLANT: Unrecorded.

****Acanthocheila hollandi* Drake**

Acanthocheila hollandi Drake 1935, p. 16 [Brazil; Paraguay]; 1947a, p.
2.—Drake and Hambleton 1938a, p. 46 [Bignoniaceae].—Monte
1940e, p. 287 [Argentina].

TYPE: Holotype ♀; Chapalo, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil; Argentina; Paraguay.

HOST PLANT: Bignoniaceae.

****Acanthocheila nexa* Drake**

Acanthocheila nexa Drake 1936b, p. 701, fig. 1 [Argentina].—Monte
1940e, p. 288.

TYPE: Holotype ♀, macropterous; Loreto, Argentina; Leningrad Inst.

DISTRIBUTION: Argentina; Brazil.

HOST PLANT: Unrecorded.

****Acanthocheila nigrescens* Drake and Bondar**

Acanthocheila nigrescens Drake and Bondar 1932, p. 88 [Brazil; Sapotaceus
tree].—Costa Lima 1936, p. 124.

TYPE: Holotype ♂, macropterous; Bahia, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Sapotaceus tree.

****Acanthocheila rustica* Monte**

Acanthocheila rustica Monte 1942, p. 91 [Brazil].

TYPE: Holotype ♂; Palmeiras, Ipaussú, São Paulo, Brazil; Monte Coll.
(Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

****Acanthocheila rustica* var. *plana* Drake**

Acanthocheila rustica var. *plana* Drake 1953a, p. 13 [Argentina].

TYPE: Holotype ♀, macropterous; Loreto, Misiones, Argentina; Drake
Coll. (USNM).

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

****Acanthocheila sigillata* Drake and Bruner**

Acanthocheila sigillata Drake and Bruner 1924a, p. 147 [Cuba; *Pisonia
aculeata*].—Drake 1926a, p. 86.—Bruner, Scaramuzza, and Otero
1945, p. 141.

TYPE: Holotype ♂, macropterous; Taco Taco, Pinar del Rio, Cuba; Drake Coll. (USNM).

DISTRIBUTION: Cuba.

HOST PLANT: *Pisonia aculeata*.

***Acanthocheila spinicosta** Van Duzee

Acanthochila spinicosta Van Duzee 1907, p. 20 [Jamaica].

Acanthocheila spinicosta: Drake and Bruner 1924a, p. 146, fig. 1 [Dominican Republic].—Barber 1939, p. 370 [St. Thomas; Haiti; *Pisonia domingensis*].

Acanthocheila spinocosta [sic]: Gowdy 1926, p. 35.

TYPE: Sex unknown; Mandeville, Jamaica; Cal. Acad.

DISTRIBUTION: Jamaica; Haiti; Dominican Republic; Puerto Rico; Virgin Islands (St. Thomas).

HOST PLANTS: *Pisonia domingensis*; *Torrubia fragrans*.

***Acanthocheila thaumana** Drake and Cobben

Acanthocheila thaumana Drake and Cobben 1960, pp. 67, 81, fig. 82 [St. Eustatius; St. Martin].

TYPE: Holotype ♂, macropterous; Koolbaai, St. Martin; Drake Coll. (USNM).

DISTRIBUTION: Leeward Islands (St. Eustatius; St. Martin).

HOST PLANT: Unrecorded.

***Acanthocheila tumida** Drake

Acanthocheila tumida Drake 1924, p. 94 [Bolivia].—Drake and Hambleton 1938a, p. 46 [Brazil; *Anemopaegma prostratum*].—Monte 1938b, p. 128.

TYPE: Holotype ♀, macropterous; Cochabamba, Bolivia; Drake Coll. (USNM).

DISTRIBUTION: Bolivia; Brazil.

HOST PLANT: *Anemopaegma prostratum*.

***Acanthocheila visenda** Drake and Hambleton

Acanthocheila visenda Drake and Hambleton 1934, p. 442 [Brazil].—Monte 1937a, p. 32 [*Bignonia exoleta*]; 1940e, p. 287 [Argentina]; 1943a, p. 105 [Peru].—Drake and Davis 1960, fig. 34.

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Argentina; Brazil; Peru.

HOST PLANT: *Bignonia exoleta*.

Genus ACANTHOTINGIS Monte

Acanthotingis Monte 1940a, p. 13.—Drake and Ruhoff 1960a, p. 32.

TYPE SPECIES: *Acanthotingis apicicornis* Monte.

Acanthotingis apicicornis Monte

Acanthotingis apicicornis Monte 1940a, p. 15, fig. [Brazil]; 1940e, p. 300; 1941e, p. 149 [Rubiaceae].

TYPE: Holotype ♂; São Paulo, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Rubiaceae.

Genus ACONCHUS Horváth

Galeatus (Aconchus) Horváth 1905b, p. 566.

Aconchus: Horváth 1906a, pp. 14, 54.—Oshanin 1908, p. 424; 1912, p. 43.—Stichel 1926, pp. 104, 109.—Drake and Ruhoff 1960a, p. 32.

TYPE SPECIES: *Galeatus (Aconchus) urbanus* Horváth.

***Aconchus urbanus** (Horváth)

Galeatus (Aconchus) urbanus Horváth 1905b, p. 565 [Italy].

Aconchus urbanus: Horváth 1906a, p. 54; 1912c, p. 341 [Java].—Drake and Poor 1937a, p. 17 [Malaya].—Drake and Ruhoff 1962d, p. 497.

Aconchus ghesquierei Schouteden 1923, p. 89 [Congo].—Mayné and Ghesquière 1934, p. 19 [papaya].

TYPE: Sex unknown; Turin, Italy; Paris Mus.

DISTRIBUTION: Italy; Congo; Kenya; South Africa; Mozambique; India; Ceylon; Federation of Malaya; Philippine Islands; Greater Sunda Islands (Java).

HOST PLANTS: *Urochloa reptans*; papaya.

Genus ACYSTA Champion

Acysta Champion 1898a, p. 46.—Costa Lima 1936, p. 124.—Monte 1939b, p. 64; 1941e, p. 76.—Hurd 1946, p. 458.—Drake and Ruhoff 1960a, p. 32.

TYPE SPECIES: *Acysta integra* Champion.

***Acysta australica** Drake

Acysta australica Drake 1942a, p. 15 [Australia].

TYPE: Holotype ♀, macropterous; National Park, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Acysta hubbelli** Drake

Acysta hubbelli Drake 1928e, p. 2, fig. 1 [Honduras].

TYPE: Holotype ♂; Rio Sangrelaya, Honduras; Michigan Univ.

DISTRIBUTION: Honduras; Mexico (Vera Cruz).

HOST PLANT: Unrecorded.

NOTE: Collected on banana bits about to be planted.

Acysta integra Champion

Acysta integra Champion 1898a, p. 46, pl. 3, fig. 22 [Guatemala].

TYPE: Sex unknown; Cerro Zunil, Guatemala; British Mus.

DISTRIBUTION: Guatemala.

HOST PLANT: Unrecorded.

Acysta interrupta Champion

Acysta interrupta Champion 1898a, p. 47, pl. 3, fig. 23 [Panama].

TYPE: Sex unknown; Bugaba, Panama; British Mus.

DISTRIBUTION: Panama.

HOST PLANT: Unrecorded.

***Acysta myrocarpi** Drake and Poor

Acysta myrocarpi Drake and Poor 1938a, p. 31 [Brazil].—Monte 1941c, p. 76 [*Myrocarpus fastigiatus*].

TYPE: Holotype ♂, macropterous; Belo Horizonte, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Myrocarpus fastigiatus*.

***Acysta nectandrae** Drake and Hambleton

Acysta nectandrae Drake and Hambleton 1934, p. 439 [Brazil; *Nectandra*].

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Nectandra* sp.

***Acysta neivai** Drake and Hambleton

Acysta neivai Drake and Hambleton 1940, p. 534 [Brazil].

TYPE: Holotype ♂, macropterous; Guarujá, São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Acysta ocoteae** Drake and Hambleton

Acysta ocoteae Drake and Hambleton 1935, p. 144 [Brazil; *Ocotea pretiosa*].

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Ocotea pretiosa*.

***Acysta praeclara** Drake and Hambleton

Acysta praeclara Drake and Hambleton 1934, p. 439 [Brazil; Boraginaceae].—Drake and Davis 1960, fig. 70.

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Boraginaceae.

Genus AEPYCYSTA Drake and Bondar

Aepycysta Drake and Bondar 1932, p. 93.—Monte 1939b, p. 65; 1941e, p. 77.—Hurd 1946, p. 478.—Drake and Ruhoff 1960a, p. 33.

TYPE SPECIES: *Aepycysta undosa* Drake and Bondar.

***Aepycysta decorata* Monte**

Aepycysta decorata Monte 1941d, p. 93, fig. 1 [Costa Rica].

TYPE: Holotype ♂; San Isidro de Coronado, Alajuela, Costa Rica; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Costa Rica.

HOST PLANT: Unrecorded.

****Aepycysta schwarzi* (Drake)**

Galeatus schwarzi Drake 1922b, p. 39, fig. 1 [Canal Zone].

Aepycysta schwarzi: Drake and Hambleton 1935, p. 153.

Aepycysta schwartzi [sic]: Drake and Davis 1960, fig. 59.

TYPE: Holotype ♂, macropterous; Paraíso, Panama Canal Zone; USNM.

DISTRIBUTION: Panama (Canal Zone).

HOST PLANT: Unrecorded.

****Aepycysta undosa* Drake and Bondar**

Aepycysta undosa Drake and Bondar 1932, p. 94, fig. 1 [Brazil; *Ichnanthus leiocarpus*].—Drake and Hambleton 1935, p. 153.—Costa Lima 1936, p. 125.—Monte 1938b, p. 127.—Silva 1956, p. 16, fig. 2.

TYPE: Holotype ♂, macropterous; Bahia, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil; Paraguay.

HOST PLANT: *Ichnanthus leiocarpus*.

Genus AFRAMIXIA Drake and Ruhoff

Aframixia Drake and Ruhoff 1960a, p. 33.

TYPE SPECIES: *Epimixia roboris* Drake.

****Aframixia roboris* (Drake)**

Epimixia roboris Drake 1942a, p. 12 [Malagasy].

Aframixia roboris: Drake and Ruhoff 1960a, p. 33.

TYPE: Holotype ♀, macropterous; Madagascar; Drake Coll. (USNM).

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

Genus AGACHILA Drake and Gomez-Menor

Agachila Drake and Gomez-Menor 1954, p. 89.—Drake and Ruhoff 1960a, p. 34.

TYPE SPECIES: *Agachila biafrana* Drake and Gomez-Menor.

Agachila biafrana Drake and Gomez-Menor

Agachila biafrana Drake and Gomez-Menor 1954, p. 90, fig. 1 [Spanish Guinea].

TYPE: Holotype ♀; Biafra, Cabo San Juan, Escalera, Spanish Guinea; Inst. Ent. Madrid.

DISTRIBUTION: Spanish Guinea.

HOST PLANT: Unrecorded.

Genus AGAOTINGIS Drake

Agaotingis Drake 1954b, p. 13.—Drake and Ruhoff 1960a, p. 34.

TYPE SPECIES: *Tingis australis* Montrouzier.

***Agaotingis australis** (Montrouzier)

Tingis australis Montrouzier 1864, p. 235 [New Caledonia].—Stål 1873, p. 134.

Agaotingis australis: Drake 1954b, p. 13.

TYPE: Holotype ♂, macropterous; New Caledonia; Drake Coll. (USNM).

DISTRIBUTION: New Caledonia.

HOST PLANT: Unrecorded.

Genus AGLOTINGIS Drake

Aglotingis Drake 1954a, p. 232.—Drake and Ruhoff 1960a, p. 34.

TYPE SPECIES: *Aglotingis nimbana* Drake.

Aglotingis affinis Schouteden

Aglotingis affinis Schouteden 1955a, p. 32 [Congo].

TYPE: Sex unknown; Kikongo, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

Aglotingis basilewskyi Schouteden

Aglotingis basilewskyi Schouteden 1955a, p. 31 [Congo; Ruanda]; 1957c, p. 313.

TYPE: Unknown.

DISTRIBUTION: Congo; Ruanda-Urundi.

HOST PLANT: Unrecorded.

***Aglotingis nimbana** Drake

Aglotingis nimbana Drake 1954a, p. 233 [French Guinea]; 1955b, p. 90 [Angola].

TYPE: Holotype ♀, macropterous; Mt. Nimba, French Guinea; Inst. Fr. Afr. N.

DISTRIBUTION: Guinea; Angola.

HOST PLANT: Unrecorded.

Genus AGRAMMA Stephens

Agramma Stephens 1829a, p. 64; 1829b, p. 336.—Westwood 1840b, p. 120.—Fieber 1844, p. 36; 1861, p. 118.—Garbiglietti 1869, p. 272.—Walker 1873b, p. 2.—Horváth 1874b, p. 432.—China 1943, p. 248.—Hoberlandt 1955, p. 96.—Drake 1955d, p. 1.—Drake and Maa 1955, p. 10.—Drake and Ruhoff 1960a, p. 23.—Stichel 1960a, p. 344 (key); 1960b, p. 402; 1960c, p. 141.

Serenthia Spinola 1837, p. 168.—Herrich-Schaeffer 1838, p. 47.—Stål 1873, p. 117; 1874, p. 46.—Lethierry and Severin 1896, p. 5.—Horváth 1906a, pp. 13, 107 (key).—Mužik 1907, p. 49 (key).—Oshanin 1908, p. 457; 1912, p. 46.—Schumacher 1914, p. 259; 1919, p. 202.—Stichel 1926, p. 116 (key); 1935, p. 349; 1938a, p. 408.—Börner 1935, p. 78 (key).—Gulde 1938, p. 321 (key).—Wagner 1941, pp. 1–27 (key; subgenera).—Blöte 1945, p. 79.—Kiritshenko 1951, pp. 243, 254 (key).—Mancini 1953b, p. 186; 1953d, p. 16.—Drake 1954b, p. 13; 1956a, p. 7; 1958a, p. 107.—Gomez-Menor 1955b, p. 248.—Drake and Ruhoff 1960a, p. 25.

Wombalia Schouteden 1919, p. 139.—Drake and Ruhoff 1960a, p. 25.

Serenthia (*Agramma*): Wagner 1941, pp. 6, 26.

Serenthia (*Paraserenthia*) Wagner 1941, pp. 6, 26.—Drake and Ruhoff 1960a, p. 25.

Serenthia (*Serenthiella*) Wagner 1941, pp. 6, 24, 26.—Drake and Ruhoff 1960a, p. 25.

Drakea Schouteden 1953d, p. 166.—Drake and Ruhoff 1960a, p. 24.

TYPE SPECIES: *Tingis laeta* Fallén.

***Agramma afranum** Drake and Ruhoff

Agramma angolana Drake 1958a, p. 107, fig. (not 1955) [Angola].

Agramma afrana Drake and Ruhoff 1960c, p. 36.

TYPE: Holotype ♂; Alto Chicapa, Angola; Cent. Afr. Mus.

DISTRIBUTION: Angola.

HOST PLANT: Unrecorded.

***Agramma aliwalanum** (Drake)

Serenthia aliwalana Drake 1954b, p. 14 [Cape Province].

Agramma aliwalanum: Drake 1958a, p. 107.

TYPE: Holotype ♂; North Aliwal, Cape Province, South Africa; British Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

***Agramma angolatum** (Drake)

Serenthia angolana Drake 1955b, p. 90 [Angola].

Agramma angolatum: Drake 1958a, p. 107.

TYPE: Holotype ♂; Serra do Moco, Luimbale, Angola; Cent. Afr. Mus.

DISTRIBUTION: Angola.

HOST PLANT: Unrecorded.

***Agramma atricapillum** (Spinola)

Serenthia atricapilla Spinola 1837, p. 168 [Sardinia].—Herrich-Schaeffer 1838, p. 48.—Amyot and Serville 1843, p. 300.—Costa 1847a, p. 24; 1847c, p. 164.—Garbiglietti 1869, p. 272 [Italy].—Stål 1874, p. 47.—Puton 1879c, p. 89 [France; Corsica].—Bolivar and Chicote 1879, p. 166 [Spain].—Jakovlev 1880b, p. 100 [Caucasus].—Horváth 1889, p. 329; 1892b, p. 131; 1906d, p. 2; 1916, p. 9.—Reuter 1891a, p. 25 [Greece; Albania; Crete]; 1908, p. 89 [*Juncus*].—Lethierry and Severin 1896, p. 5 [Algeria].—Oshanin 1908, p. 457 [Morocco].—Moroder Sala 1920, p. 13.—de Seabra 1924, p. 18, fig. 32 [Portugal]; 1931, p. 442, figs. 512(1-4), 513.—Lindberg 1932a, p. 45 [*Scirpus holoschoenus*]; 1948, p. 60 [Sicily; Egypt; Bulgaria; *Juncus acutus*].—Wagner 1941, pp. 6, 13, 26, figs. 2d, 3e, 4d, 5f, 6d.—Hoberlandt 1949, p. 8 [Tunisia].—Kiritshenko 1951, p. 254 [Ukraine; Crimea].—Novak and Wagner 1951, p. 71 [*Typha latifolia*].—Seidenstücker 1954, p. 236.

Agramma atricapilla: Fieber 1844, p. 39; 1861, p. 118 [Yugoslavia].—Mayr 1858, p. 569 [Hungary].—Jakovlev 1871, p. 7; 1876b, p. 66.—Hoberlandt 1955, p. 96 [Israel; Iraq].—Gomez-Menor 1956b, p. 82, fig.—Stichel 1960a, p. 345, figs. 183-186 [*Juncus maritimus*].

Serenthia brevirostris Jakovlev 1901, p. 35.

Serenthia antricapilla [sic]: Horváth 1906a, p. 110 [Rumania; Turkestan; Turkey].

TYPE: Sardinia; sex and deposition of type unknown.

DISTRIBUTION: Portugal; Spain; France; Corsica; Italy; Sicily; Sardinia; Hungary; Bulgaria; Rumania; Yugoslavia; Albania; Greece; Crete; Turkey; Iraq; Israel; U.S.S.R. (Caucasus; Ukraine; Crimea; Turkestan); Egypt; Morocco; Algeria; Tunisia.

HOST PLANTS: *Juncus acutus*; *Juncus maritimus*; *Juncus* sp.; *Scirpus holoschoenus*; *Typha latifolia*.

Agramma atricapillum var. **mendax** (Horváth)

Serenthia antricapilla [sic] var. *mendax* Horváth 1906a, pp. 107, 111 [Turkestan].

TYPE: Sex unknown; Michailovo, Turkestan, Russia; Hungarian Mus.

DISTRIBUTION: U.S.S.R. (Turkestan).

HOST PLANT: Unrecorded.

Agramma atricapillum var. **pallens** (Horváth)

Serenthia antricapilla [sic] var. *pallens* Horváth 1906a, p. 111 [Egypt].

Serenthia atricapilla var. *pallens*: Priesner and Alfieri 1953, p. 66 [Gramineae].

TYPE: Sex unknown; Fayum, Egypt; Hungarian Mus.

DISTRIBUTION: Egypt.

HOST PLANT: Gramineae.

***Agramma basilicorne** (Drake)

Serenthia basilicornis Drake 1951, p. 167 [Tanganyika].

TYPE: Holotype ♂; Shirati, Africa orientalis; Hungarian Mus.

DISTRIBUTION: Tanganyika; Egypt.

HOST PLANT: Unrecorded.

***Agramma blandulum** (Horváth)

Serenthia blandula Horváth 1905b, p. 558 [Caucasus]; 1906a, p. 116 [Turkey].—Kiritshenko 1951, p. 255 [Crimea].

Serenthia (Serenthiella) blandula: Wagner 1941, p. 25.

Agramma (Serenthiella) blandula: Hoberlandt 1955, p. 97.

Agramma blandula: Stichel 1960a, p. 35, fig. 217 [Greece].

TYPE: Sex unknown; Caucasus, Russia; Paris Mus.

DISTRIBUTION: U.S.S.R. (Caucasus; Crimea); Turkey; Greece.

HOST PLANT: Unrecorded.

***Agramma carinatum** (Distant)

Serenthia carinata Distant 1911b, p. 269 [Ceylon; *Juncus*].

TYPE: Sex unknown; Ambalangoda Lake, Ceylon; British Mus.

DISTRIBUTION: Ceylon.

HOST PLANT: *Juncus* sp.

***Agramma confusum** (Puton)

Serenthia laeta (not Fallén): Herrich-Schaeffer 1838, p. 49, pl. 122, fig. 388.—Amyot and Serville 1843, p. 300 (in part) [France].—Costa 1847a, p. 24; 1847c, p. 164.

Sercuthia [sic] *femoralis* var. *confusa* Puton 1879b, p. 297.

Serenthia femoralis var. *confusa*: Puton 1879c, p. 90 [Corsica].—Chicote 1880, p. 189 [Spain].—Horváth 1906d, p. 2.

Serenthia confusa: Reuter 1885, p. 43.—Horváth 1906a, pp. 109, 114 [Italy; Germany; Hungary; Yugoslavia; Greece; Rumania; Russia; Turkey; *Juncus*]; 1916, p. 9 [Albania]; 1918, p. 334.—Stichel 1926, p. 117 [*Plantago maritima*].—Börner 1935, p. 79, fig. 121 [*Juncus gerardi*].—Gulde 1938, p. 326, fig. [Cyperaceae].—Kiritshenko 1951, p. 254 [Ukraine; Crimea].—Mancini 1953b, p. 186 [Turkestan].

Serenthia (Agramma) confusa: Wagner 1941, pp. 7, 15, 26, figs. 7a, 8a, 9a, 11a.—Hoberlandt 1942, p. 126 [Czechoslovakia].

Agramma confusa: Hoberlandt 1955, p. 96 [Transcaucasus].—Stichel 1960a, p. 349, figs. 206–207 [Bulgaria; Poland; Austria].

TYPE: Unknown.

DISTRIBUTION: Spain; France; Germany; Austria; Czechoslovakia; Poland; Hungary; Italy; Corsica; Rumania; Bulgaria; Albania; Yugoslavia; Greece; Turkey; U.S.S.R. (Caucasus; Ukraine; Crimea; Transcaucasus; Turkestan).

HOST PLANTS: *Juncus gerardi*; *Juncus* sp.; *Plantago maritima*; Cyperaceae.

Agramma confusum var. **antennatum** (Horváth)

Serenthia femoralis var. *antennata* Horváth 1905b, p. 556 [Rumania].

Serenthia confusa var. *antennata*: Horváth 1906a, p. 114 [Hungary; Turkestan].

TYPE: Sex unknown; Rumania; Hungarian Mus.

DISTRIBUTION: Rumania; Hungary; U.S.S.R. (Turkestan).

HOST PLANT: Unrecorded.

Agramma confusum var. **thoracicum** (Horváth)

Serenthia femoralis var. *thoracica* Horváth 1905b, p. 557 [Hungary].

Serenthia confusa var. *thoracica*: Horváth 1906a, p. 114.—Hoberlandt 1943, pp. 116, 117 [Czechoslovakia].

TYPE: Sex unknown; Hungary; Hungarian Mus.

DISTRIBUTION: Hungary; Czechoslovakia.

HOST PLANT: Unrecorded.

***Agramma dilectulum** (Drake)

Serenthia dilectula Drake 1951, p. 168 [Ethiopia].

Agramma dilectula: Drake 1956f, p. 429 [Cape Province]; 1958a, p. 107.

TYPE: Holotype ♂; Maraquo, Abyssinia; Hungarian Mus.

DISTRIBUTION: Ethiopia; South Africa (Cape Province).

HOST PLANT: Unrecorded.

***Agramma dubium** (Horváth)

Serenthia ruficornis var. *dubia* Horváth 1905b, p. 556 [Algeria].

Serenthia dubia: Horváth 1906a, p. 112.—Lindberg 1932a, p. 45 [Spain].

Agramma dubia: Drake 1958a, p. 107 [Mauritania].—Stichel 1960a, p. 347 [Morocco].

TYPE: Sex unknown; Philippeville, Algeria; Hungarian Mus.

DISTRIBUTION: Algeria; Mauritania; Tunisia; Spain.

HOST PLANT: Unrecorded.

Agramma dubium var. **imbecillum** (Horváth)

Serenthia femoralis var. *imbecilla* Horváth 1905b, p. 557 [Mauritania].

Serenthia dubia var. *imbecilla*: Horváth 1906a, p. 113.—Lindberg 1932a, p. 45 [Spain; Morocco; *Scirpus holoschoenus*].

Agramma dubia var. *imbecilla*: Stichel 1960a, p. 347.

TYPE: Sex unknown; Mauritania; Hungarian Mus.

DISTRIBUTION: Mauritania; Morocco; Spain.

HOST PLANT: *Scirpus holoschoenus*.

Agramma ecmeles Drake and Ruhoff

Agramma ecmeles Drake and Ruhoff 1962a, p. 164 [Western Australia].

TYPE: Holotype ♂, macropterous; Kimberley District, north Western Australia, Australia; Stockholm Mus.

DISTRIBUTION: Australia (Western Australia).

HOST PLANT: Unrecorded.

**Agramma elegans* Kiritshenko

Agramma elegans Kiritshenko 1952, p. 180, fig. 26 [Russia].

TYPE: Sex unknown; Tadshikistan, Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R.

HOST PLANT: Unrecorded.

Agramma fallax (Horváth)

Serenthia confusa var. *fallax* Horváth 1906a, p. 114 [Hungary; Russia].

Serenthia fallax: Stichel 1926, p. 117 [Germany].—Börner 1935, p. 79 [Juncus].

Serenthia (Agramma) fallax: Wagner 1941, pp. 7, 17, 26.

Agramma fallax: Stichel 1960a, p. 349.

TYPE: Unknown.

DISTRIBUTION: Germany; Hungary; U.S.S.R.

HOST PLANT: *Juncus* sp.

**Agramma femorale* Thomson

Agramma lactum (not Fallén): Flor 1860, p. 324 [Sweden; Germany; France; England; Italy; Spain; *Schoenus albus*].

Agramma femoralis Thomson 1871, p. 397.—Stichel 1960a, p. 351 [*Rhynchospora alba*].

Serenthia femoralis: Stål 1874, p. 46.—Reuter 1874, p. 562 [Finland; *Eriophorum angustifolium*]; 1882b, p. 111; 1885, p. 43; 1890a, p. 249.—Sahlberg 1878, p. 20 [Latvia]; 1920, p. 86.—Hüeber 1893, p. 299 [Hungary; Austria].

Serenthia femorata [sic]: Jakovlev 1893, p. 293 [Russia].

Serenthia laeta var. *femoralis*: Horváth 1906a, p. 115 [Siberia].—Oshanin 1908, p. 461 [Morocco; Rumania].—Kiritshenko 1951, p. 254.

Serenthia (Agramma) laeta var. *femoralis*: Wagner 1941, p. 24, fig. 10e.

TYPE: Unknown.

DISTRIBUTION: Sweden; Finland; U.S.S.R. (Latvia; Siberia); Hungary; Austria; Germany; France; Rumania; Italy; Spain; England; Morocco.

HOST PLANTS: *Eriophorum angustifolium*; *Rhynchospora alba*; *Schoenus albus*.

Agramma femorale var. *poppii* (Horváth)

Serenthia laeta var. *poppii* Horváth 1906a, p. 116 [Siberia].—Stichel 1926, p. 118.—Gulde 1938, p. 327.

Serenthia femoralis var. *poppiusi*: Sahlberg 1920, p. 86 [Finland].

Serenthia laeta var. *poppiusi*: Stichel 1935, p. 350; 1938b, p. 455.

Agramma femoralis var. *poppiusi*: Stichel 1960a, p. 351.

TYPE: Sex unknown; Saoneskje Kosmosero, Siberia, Russia; Helsin. Mus.

DISTRIBUTION: U.S.S.R. (Siberia); Finland.

HOST PLANT: Unrecorded.

Agramma formosanum (Matsumura)

Serenthia formosana Matsumura 1910, p. 24, pl. 12, fig. 10 [Taiwan]; 1911, p. 138.—Esaki 1926, p. 163; 1932, p. 1637, fig.—Takeya 1951a, p. 23 [*Saccharum officinarum*].—Box 1953, p. 37.

TYPE: Holotype ♀; Rinkihō, Formosa; deposition unknown.

DISTRIBUTION: Taiwan.

HOST PLANT: *Saccharum officinarum*.

***Agramma gibbum** Fieber

Agramma gibba Fieber 1844, p. 38, pl. 3, figs. 7-11 [Ostindien].

Serenthia gibba: Stål 1873, p. 117 [India orientalis].—Distant 1903b, p. 127, fig. 91 [India].—Drake 1938b, p. 195 [East Indies; Hainan Island].—Blöte 1945, p. 79.

TYPE: Sex unknown; "Ostindien"; Vienna Mus.

DISTRIBUTION: India; East Indies(?); China (Hainan Island); Ceylon.

HOST PLANT: Unrecorded.

Agramma globiceps (Horváth)

Serenthia globiceps Horváth 1906a, p. 111 [Syria].

TYPE: Sex unknown; Jaffa, Syria; Hungarian Mus.

DISTRIBUTION: Syria.

HOST PLANT: Unrecorded.

***Agramma gracilicorne** (Wagner)

Serenthia (Paraserenthia) gracilicornis Wagner 1941, pp. 6, 11, 26, figs. 2b, 3b, 4 c, f, 5b, 6b [Germany].

Agramma gracilicornis: Stichel 1960a, p. 346, figs. 193-196 [Austria; Poland].

TYPE: Sex unknown; Germany; Wagner Coll.

DISTRIBUTION: Germany; Austria; Poland.

HOST PLANT: Unrecorded.

***Agramma hupehanum** (Drake and Maa)

Serenthia hupehana Drake and Maa 1954, p. 111 [China].

TYPE: Holotype ♂; Suisapa, Western Hupeh, China; Cal. Acad.

DISTRIBUTION: China; India (Bengal).

HOST PLANT: Unrecorded.

***Agramma intermedium** (Wagner)

Serenthia (Agramma) intermedia Wagner 1941, pp. 7, 20, 26, figs. 7c, 8c, 9c, 10 a, c, 11c [Trieste].

Serenthia intermedia: Novak and Wagner 1951, p. 71 [Yugoslavia; *Typha latifolia*].—Mancini 1953b, p. 186 [Italy; Germany; Hungary; Greece].

Agramma intermedia: Hoberlandt 1955, p. 96 [Turkey].—Stichel 1960a, p. 348, figs. 197-200 [France; Austria; Czechoslovakia; Poland].

TYPE: Sex unknown; Trieste; Wagner Coll.

DISTRIBUTION: Trieste; Yugoslavia; Greece; Turkey; Hungary; Austria; Italy; Czechoslovakia; Germany; Poland; France.

HOST PLANT: *Typha latifolia*.

***Agramma japonicum** (Drake)

Serenthia japonica Drake 1948g, p. 174 [Japan].—Takeya 1951a, p. 23.—
Drake and Maa 1953, p. 88 [China].

TYPE: Holotype ♀, brachypterous; Sapporo, Japan: Drake Coll. (USNM).

DISTRIBUTION: Japan; China.

HOST PLANT: Unrecorded.

***Agramma karisimbiense** (Schouteden)

Serenthia karisimbiensis Schouteden 1953d, p. 165 [Ruanda].

Agramma karisimbiensis: Drake 1958a, p. 107.

TYPE: Sex unknown; Nya Muzinga, Volcan Karisimibi, Ruanda; Cent. Afr. Mus.

DISTRIBUTION: Ruanda-Urundi; Kenya.

HOST PLANT: Unrecorded.

***Agramma kivuanum** (Drake)

Serenthia kivuana Drake 1956a, p. 8 [Congo].

Agramma kivuanum: Drake 1958a, p. 107.

TYPE: Holotype ♂; lac Magera, Kivu, Belgian Congo; Parcs Nat. Inst.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Agramma laetum** (Fallén)

Tingis laeta Fallén 1807, p. 40 [Sweden; Germany]; 1829, p. 151.—

Germar 1835, fasc. 10, tab. 14.—Herrich-Schaeffer 1835, p. 59.—

Brullé 1835, p. 340.—Blanchard 1840, p. 112.

Agramma laeta: Stephens 1829a, p. 64 [England]; 1829b, p. 336.—

Westwood 1840b, p. 120.—Fieber 1844, p. 37, pl. 2, figs. 22–28

[Czechoslovakia; Italy]; 1861, p. 119.—Mayr 1858, p. 569 [Hungary;

Austria; moss].—Frey-Gessner 1865, p. 231 [Switzerland; *Carex*].—

Douglas and Scott 1865, p. 242.—Jakovlev 1869, p. 111 [Russia].—

Gredler 1870, p. 75.—Štušák 1958, p. 362, figs. 1–4.—Southwood

and Leston 1959, p. 151, pl. 18, fig. 1.—Drake and Ruhoff 1960a,

pl. 1.—Stichel 1960a, p. 350, figs. 212–214 [Sardinia; Poland].

Piesma tricolor Laporte 1833, p. 48 [France].

Piesma laetum: Burmeister 1835, p. 257.

Serenthia laeta: Herrich-Schaeffer 1838, p. 49, pl. 122, figs. b–f; pl. 125,

fig. c.—Amyot and Serville 1843, p. 300 (in part).—Stål 1874, p. 46.—

Saunders 1875, p. 246; 1892a, p. 123, pl. 11, fig. 5 [heath].—Reiber

and Puton 1876, p. 67.—Puton 1879c, p. 90 [Corsica].—Bolivar and

Chicote 1879, p. 166 [Spain; Portugal].—Jakovlev 1880b, p. 100

[Caucasus]; 1893, p. 293.—Reuter 1882b, p. 111 [*Juncus*]; 1890a,

p. 249; 1891a, p. 25 [Greece].—Dubois 1888, p. 120.—Hüeber 1893,

p. 297.—Rey 1893, p. 97.—Horváth 1905b, p. 557 [Trieste]; 1906a,

pp. 110, 115 [Siberia; *Schoenus albus*].—Mužik 1907, p. 49, fig. 2.—

Oshanin 1908, p. 460 [Belgium; Yugoslavia].—Jensen-Haarup 1912,

p. 149, fig. 93 [Denmark].—Reichensperger 1920, p. 61.—Butler 1923, p. 200 [Wales; rushes].—Stichel 1926, p. 118, fig. 309 [*Rhynchospora alba*]; 1938a, p. 408 [Finland; Norway].—de Seabra 1931, p. 443, figs. 512(6), 515.—Scholte 1935, p. 92, fig. 27 [*Luzula campestris*].—Poisson 1938, p. 589 [*Juncus maritimus*].—Blöte 1945, p. 80.—Kiritshenko 1951, p. 254, fig. 330.—Gomez-Menor 1956a, p. 115, fig. 10 (fig. only).

Agramma laetum: Vollenhoven 1878, p. 285, pl. 22, fig. 11 [Netherlands].

Serenthia (Agramma) laeta: Wagner 1941, pp. 6, 21, 26, figs. 1, 6g, 7d, 8d, 9d, 10d, 11d.—Hoberlandt 1942, p. 126.

TYPE: Unknown.

DISTRIBUTION: England; Wales; Netherlands; Belgium; France; Portugal; Spain; Corsica; Sardinia; Italy; Switzerland; Germany; Austria; Czechoslovakia; Hungary; Trieste; Yugoslavia; Greece; U.S.S.R. (Caucasus; Siberia); Poland; Finland; Denmark; Norway; Sweden; Mongolia Republic.

HOST PLANTS: *Carex* sp.; *Juncus maritimus*; *Juncus* sp.; *Luzula campestris*; *Rhynchospora alba*; *Schoenus albus*; heath; rushes; moss.

NOTE: Eggs [Štušák].

**Agramma laetum* var. *apicicorne* (Horváth)

Serenthia laeta var. *apicicornis* Horváth 1905b, p. 557 [Trieste]; 1906a, p. 115.

TYPE: Holotype ♀; Trieste; Hungarian Mus.

DISTRIBUTION: Trieste.

HOST PLANT: Unrecorded.

Agramma leleupi (Schouteden)

Drakea leleupi Schouteden 1953d, p. 166 [Congo].

TYPE: Sex unknown; Kundelungu, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

**Agramma lineatum* (Horváth)

Serenthia lineata Horváth 1929, p. 326 [Natal].

Agramma lineatum: Drake 1958a, p. 107.

TYPE: Sex unknown; Weenan, Natal, South Africa; British Mus.

DISTRIBUTION: South Africa (Natal).

HOST PLANT: Unrecorded.

**Agramma longum* (Drake)

Serenthia longa Drake 1954b, p. 13 [Cape Province].

Agramma longum: Drake 1958a, p. 107.

TYPE: Holotype ♂; Ceres, Cape Province, South Africa; British Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

**Agramma longurium* Drake

Agramma longuria Drake 1958b, p. 30 [Congo].

TYPE: Holotype ♂; Lusinga, Belgian Congo; Parcs Nat. Inst.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

**Agramma maynei* (Schouteden)

Serenthia maynei Schouteden 1916b, p. 291 [Congo]; 1923, p. 84.

Agramma maynei: Drake 1958a, p. 107.

TYPE: Sex unknown; Congo da Lemba, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

**Agramma melanoscele* (Horváth)

Serenthia melanoscelis Horváth 1906a, p. 114 [Algeria].—Blöte 1945, p. 80 [Tunisia].

Serenthia (Agramma) melanoscelis: Wagner 1941, pp. 7, 18, 26, figs. 7b, 8b, 9b, 11b [Germany; *Juncus*].

Agramma malonascelis [sic]: Drake 1958a, p. 107.

Agramma melanoscelis: Stichel 1960a, p. 348, figs. 201–204.

TYPE: Sex unknown; Tlemcen, Algeria; Hungarian Mus.

DISTRIBUTION: Algeria; Tunisia; Upper Volta; Germany.

HOST PLANT: *Juncus* sp.

Agramma melanoscele var. *muelleri* (Wagner)

Serenthia (Agramma) melanoscelis var. *muelleri* Wagner 1941, p. 19 [Germany].

Agramma melanoscelis var. *muelleri*: Stichel 1960a, p. 348.

TYPE: Sex unknown; Nurnburg, Germany; Wagner Coll.

DISTRIBUTION: Germany.

HOST PLANT: Unrecorded.

Agramma minor (Distant)

Lullius? minor Distant 1904, p. 430, pl. 8, fig. 8 [Cape Province].

Agramma minor: Drake and Ruhoff 1960a, p. 24.

TYPE: Sex unknown; Cape Colony, South Africa; British Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

**Agramma minutum* Horváth

Agramma minutum Horváth 1874a, p. 333 [Hungary].

Agramma depressa Jakovlev 1874b, p. 265 [Russia].

Serenthia depressa: Puton 1876, p. 290.—Jakovlev 1893, p. 293.

Serenthia minuta: Hüeber 1893, p. 300 [Austria].—Horváth 1906a, p. 116 [Siberia; Rumania].—Oshanin 1908, p. 462 [Caucasus].—Hoberlandt 1943, pp. 116, 117.—Kiritshenko 1951, p. 255 [Ukraine].—Remold 1959, p. 1, fig. 1.

Serenthia (Serenthiella) minuta: Wagner 1941, pp. 8, 25, 26, figs. 7f, 8f, 11e.—Hoberlandt 1942, p. 126 [Germany; Czechoslovakia].

Agramma minuta: Wagner 1958, p. 241 [France].—Stichel 1960a, p. 351 [Bulgaria].

TYPE: Sex unknown; Hungary; Hungarian Mus.

DISTRIBUTION: France; Germany; Czechoslovakia; Austria; Hungary; Rumania; Bulgaria; U.S.S.R. (Siberia; Caucasus; Ukraine).

HOST PLANT: Unrecorded.

**Agramma nexile* (Drake)

Serenthia nexilis Drake 1948g, p. 174 [Taiwan; Japan].—Takeya 1951a, p. 23; 1953d, p. 167.—Esaki 1954, p. 238, fig. 615.

TYPE: Holotype ♂, macropterous; Formosa; Drake Coll. (USNM).

DISTRIBUTION: Taiwan; Japan.

HOST PLANT: Unrecorded.

Agramma nigrellum Drake

Agramma nigrella Drake 1958a, p. 108, fig. [Angola].

TYPE: Holotype ♂; Vila Luso, Angola; Cent. Afr. Mus.

DISTRIBUTION: Angola.

HOST PLANT: Unrecorded.

NOTE: Taken in light trap [Drake].

**Agramma nigrum* Fieber

Agramma nigra Fieber 1844, p. 40, pl. 3, figs. 12–17 [Sicily; *Statice*]; 1861, p. 118.—Herrich-Schaeffer 1850, p. 150.—Drake 1958a, p. 107.—Stichel 1960a, p. 347.

Serenthia nigra: Garbiglietti 1869, p. 272.—Stål 1874, p. 46.—Horváth 1906a, p. 113 [Tunisia; Algeria].

TYPE: Sex unknown; Sicily; Vienna Mus.

DISTRIBUTION: Sicily; Algeria; Tunisia.

HOST PLANT: *Statice* sp.

Agramma nigrum var. *collare* (Horváth)

Serenthia nigra var. *collaris* Horváth 1905b, p. 558 [Sicily; Algeria]; 1906a, p. 114.

Agramma nigra var. *collaris*: Stichel 1960a, p. 347.

TYPE: Unknown.

DISTRIBUTION: Sicily; Algeria.

HOST PLANT: Unrecorded.

**Agramma onar* Drake

PLATE 14

Agramma onar Drake 1961c, p. 130, pl. 9 [Natal].

TYPE: Holotype ♂, brachypterous; Cathedral Peak Forestry Reserve, Natal Drakensberg, headwaters of the Indumeni River, South Africa; Natal Museum, Pietermaritzburg, Natal, South Africa.

DISTRIBUTION: South Africa (Natal).

HOST PLANT: Unrecorded.

Agramma pallidulum (Schouteden)

Serenthia pallidula Schouteden 1955a, p. 26 [Congo].

Agramma pallida [sic]: Schouteden 1957c, p. 312 [Ruanda].

Agramma pallidulum: Drake 1958a, p. 107.

TYPE: Sex unknown; Rutshuru, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo; Ruanda-Urundi.

HOST PLANT: Unrecorded.

Agramma pallidulum var. **pictum** (Schouteden)

Serenthia pallidula var. *picta* Schouteden 1955a, p. 27 [Congo].

TYPE: Sex unknown; Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Agramma peringueyi** (Distant)

Serenthia peringueyi Distant 1904, p. 429, pl. 8, fig. 6 [South Africa].—

Drake 1956a, p. 7 [Ruanda].

Agramma peringueyi: Drake 1956f, p. 429 [Basutoland]; 1958a, p. 107;

1958c, p. 316 [Malagasy; Kenya].

TYPE: Sex unknown; South Africa; So. Afr. Mus.

DISTRIBUTION: South Africa; Basutoland; Kenya; Ruanda-Urundi; Malagasy Republic.

HOST PLANT: Unrecorded.

Agramma pictipenne (Horváth)

Serenthia pictipennis Horváth 1902b, p. 604 [New South Wales].

Agramma pictipennis: Drake and Ruhoff 1961b, p. 180, fig. 21.

TYPE: Sex unknown; Glen Innes, New South Wales, Australia; Hungarian Mus.

DISTRIBUTION: Australia (New South Wales).

HOST PLANT: Unrecorded.

Agramma pullum Drake

Agramma pulla Drake 1958b, p. 30, fig. 1 [Congo].

TYPE: Holotype ♂; Mukana-Lusinga, Belgian Congo; Parcs Nat. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Agramma ruficorne** (Germar)

Tingis ruficornis Germar 1835, fasc. 15, tab. 12 [Switzerland].—Herrich-Schaeffer 1835, p. 59.

Serenthia ruficornis: Herrich-Schaeffer 1838, p. 48 [Germany].—Stål

1874, p. 47.—Puton 1879c, p. 90 [France].—Dubois 1888, p. 119.—

Hüeber 1893, p. 297.—Horváth 1906a, pp. 108, 112.—Oshanin 1908,

p. 458 [Turkestan].—Schumacher 1914, p. 259 [*Carex*; sphagnum].—

Stichel 1926, p. 117 [*Juncus*]; 1938a, p. 408 [Poland].—de Seabra

1931, p. 442, figs. 512(5), 514 [Portugal].—Scholte 1935, p. 92 [Netherlands].—Bator 1953, p. 327, pl. 4, fig. 7.

Agramma ruficornis: Fieber 1844, p. 38, pl. 3, figs. 1-6 [Italy; Austria; Czechoslovakia]; 1861, p. 118.—Mayr 1858, p. 569 [Hungary].—Frey-Gessner 1865, p. 231 [moss].—Stichel 1960a, p. 346, figs. 191-192 [Sardinia].

Scraulia ruficornis: Lethierry and Severin 1896, p. 8.

Serenthia (Paraserenthia) ruficornis: Wagner 1941, pp. 6, 10, 26, figs. 2c, 3c, 4 b, e, 5c, 6c.—Hoberlandt 1942, p. 126.

TYPE: Switzerland; sex and deposition of type unknown.

DISTRIBUTION: Netherlands; France; Switzerland; Germany; Hungary; Czechoslovakia; Austria; Italy; Sardinia; Portugal; Poland; U.S.S.R. (Turkestan).

HOST PLANTS: *Carex* sp.; *Juncus* sp.; moss; sphagnum.

***Agramma rwindianum* (Drake)**

Serenthia rwindiana Drake 1956a, p. 7 [Congo].

Agramma rwindianum: Drake 1958a, p. 107.

TYPE: Holotype ♂; lac Edouard, East Rwindi, Belgian Congo; Parcs Nat. Inst.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

****Agramma scitulum* Drake and Maa**

Agramma scitula Drake and Maa 1955, p. 11 [India].

TYPE: Holotype ♂, brachypterous; Tanjore District, South India; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

****Agramma sedale* (Drake)**

Serenthia sedalis Drake 1927d, p. 312 [Luzon].—Drake and Poor 1937a, p. 2; 1937b, p. 397.

TYPE: Holotype ♂, macropterous; Manila, Philippine Islands; USNM.

DISTRIBUTION: Philippine Islands (Luzon); Ceylon; Greater Sunda Islands (Java).

HOST PLANT: Unrecorded.

****Agramma singulum* (Drake)**

Serenthia singula Drake 1954b, p. 14 [Cape Province].—Drake and Slater 1955, p. 49 [Zululand].

Agramma singulum: Drake 1958a, p. 107.

TYPE: Holotype ♂; Somerset East, Cape Province, South Africa; British Mus.

DISTRIBUTION: South Africa (Zululand; Cape Province).

HOST PLANT: Unrecorded.

**Agramma sociale* (Drake)

Serenthia socialis Drake 1951, p. 169 [Tanganyika; Ethiopia].

Agramma sociale: Drake 1958a, p. 107 [Kenya].

TYPE: Holotype ♂; Arusha-Ju, Africa orientalis; Hungarian Mus.

DISTRIBUTION: Tanganyika; Kenya; Ethiopia.

HOST PLANT: Unrecorded.

**Agramma striolum* (Drake)

Serenthia striola Drake 1951, p. 168.

Agramma striola: Drake 1955d, p. 1 [Urundi; Ethiopia].

TYPE: Holotype ♂; Hungarian Mus.; type locality unknown.

DISTRIBUTION: Ruanda-Urundi; Ethiopia.

HOST PLANT: Unrecorded.

**Agramma tropidopterum* Flor

Agramma tropidopterum Flor 1860, p. 326 [Estonia].

Serenthia tropidoptera: Stål 1874, p. 47.—Horváth 1906a, p. 111, pl. 1, fig. 1 [Russia].—Stichel 1926, p. 117, fig. 308 [*Juncus*; *Eriophorum*; Germany].—Kiritshenko 1951, p. 254.

Scraulia tropidoptera: Lethierry and Severin 1896, p. 9.

Serenthia (Paraserenthia) tropidoptera: Wagner 1941, pp. 6, 9, 26, figs. 2a, 3a, 4a, 5a, 6a.

Agramma tropidoptera: Stichel 1960a, p. 345, figs. 187, 188.

TYPE: Estonia; sex and deposition of type unknown.

DISTRIBUTION: U.S.S.R. (Estonia; Latvia); Germany.

HOST PLANTS: *Juncus* sp.; *Eriophorum* sp.

**Agramma turanicum* (Horváth)

Serenthia turanica Horváth 1905b, p. 556 [Turkestan]; 1906a, p. 113.

TYPE: Sex unknown; Ilysk, Turkestan, Russia; Hungarian Mus.

DISTRIBUTION: U.S.S.R. (Turkestan).

HOST PLANT: Unrecorded.

**Agramma umbrosum* (Horváth)

Serenthia umbrosa Horváth 1906a, p. 113 [Algeria].

Agramma umbrosum: Drake 1958a, p. 107.

TYPE: Holotype ♂; Madjez-Amar, Algeria; Hungarian Mus.

DISTRIBUTION: Algeria; West Africa; Senegal.

HOST PLANT: Unrecorded.

Agramma vanderysti (Schouteden)

Wombalia vanderysti Schouteden 1919, p. 140 [Congo].

Serenthia vanderysti: Drake 1954b, p. 13.

Agramma vanderysti: Drake 1958a, p. 107.

TYPE: Sex unknown; Wombali, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Agramma vicinale** (Drake)

Serentia vicinalis Drake 1927d, p. 311 [Luzon]; 1930e, p. 166.—Drake and Poor 1937a, p. 1.

TYPE: Holotype ♂, macropterous; Mount Maquiling, Luzon, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Luzon).

HOST PLANT: Unrecorded.

***Agramma vulturum** (Kirkaldy)

Serentia vulturum Kirkaldy 1908a, p. 778 [Queensland].—Hacker 1927, p. 20, fig. 17.

TYPE: Holotype ♂; Bundaberg, Queensland, Australia; Hawaii. Sugar Plant. Assn.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

Genus AIDONEUS Distant

Aidoneus Distant 1909a, p. 122; 1910a, p. 125.—Drake and Ruhoff 1960a, p. 34.

TYPE SPECIES: *Aidoneus dissimilis* Distant.

Aidoneus dissimilis Distant

Aidoneus dissimilis Distant 1909a, p. 123 [India]; 1910a, p. 126, fig. 66.

TYPE: Sex unknown; Bengal, India; British Mus.

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

Genus ALLOEOCYSTA Drake

Alloeocysta Drake 1961b, p. 109.

TYPE SPECIES: *Alloeocysta approba* Drake.

Alloeocysta approba Drake

PLATE 12

Alloeocysta approba Drake 1961b, p. 109, pl. 5 [New South Wales].

TYPE: Holotype ♂; Bogan River, New South Wales, Australia; Austr. Mus.

DISTRIBUTION: Australia (New South Wales).

HOST PLANT: Unrecorded.

Genus ALLOIOTHUCHA Drake

Alloiothucha Drake 1927a, p. 58.—Drake and Poor 1937a, p. 18 (in part); 1939c, p. 207 (in part).—Drake and Ruhoff 1960a, p. 34.

TYPE SPECIES: *Alloiothucha philippinensis* Drake.

***Alloiothucha artocarp** (Horváth)

Holophygdon artocarp Horváth 1926, p. 327, figs. 1–2 [Java; *Artocarpus integrifolia*].—Poisson 1951, p. 1798, fig. 1591a (fig. only).

Alloiothucha artocarp: Drake and Poor 1939c, p. 207.

TYPE: Holotype ♀; Buitenzorg, Java; Hungarian Mus.

DISTRIBUTION: Greater Sunda Islands (Java; Sumatra).

HOST PLANT: *Artocarpus integrifolia*.

***Alloiothucha necopinata** Drake

Alloiothucha necopinata Drake 1927a, p. 59 [Palawan].—Drake and Poor 1939c, p. 207.

Holophygdon necopinata: Drake and Poor 1937a, p. 18.

TYPE: Holotype ♂, macropterous; Puerto Princessa, Palawan, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Palawan); Greater Sunda Islands (Borneo).

HOST PLANT: Unrecorded.

***Alloiothucha philippinensis** Drake

Alloiothucha philippinensis Drake 1927a, p. 58 [Luzon].—Drake and Poor 1939c, p. 207, fig. 1.

Holophygdon philippinensis: Drake and Poor 1937a, p. 18.

TYPE: Holotype ♂, macropterous; Mount Maquiling, Luzon, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Luzon).

HOST PLANT: Unrecorded.

Genus ALLOTINGIS Drake

Allotingis Drake 1930d, p. 269.—Hurd 1946, p. 471.—Drake and Ruhoff 1960a, p. 35.

TYPE SPECIES: *Leptobyrsa binotata* Drake and Bruner.

***Allotingis binotata** (Drake and Bruner)

Leptobyrsa binotata Drake and Bruner 1924b, p. 155 [Cuba; *Thrinax wendlandiana*].

Allotingis binotata: Drake 1930d, p. 270.

TYPE: Holotype ♂, macropterous; La Machorra, Peninsula de Guanahacabibes, Cuba; Drake Coll. (USNM).

DISTRIBUTION: Cuba.

HOST PLANT: *Thrinax wendlandiana*.

***Allotingis insulicola** Drake and Poor

Allotingis insulicola Drake and Poor 1939a, p. 31 [Haiti].

TYPE: Holotype ♂, macropterous; Fond-des-Negres, Haiti; Drake Coll. (USNM).

DISTRIBUTION: Haiti.

HOST PLANT: Unrecorded.

Genus ALVEOTINGIS Osborn and Drake

Alveotingis Osborn and Drake 1916a, p. 245; 1917b, p. 305 (key).—Van Duzee 1917b, pp. 221, 818.—Parshley 1917a, p. 24; 1923b, p. 707.—Blatchley 1926, p. 486.—Hurd 1946, p. 445.—Bailey 1951, p. 20.—Drake and Ruhoff 1960a, p. 35.

TYPE SPECIES: *Alveotingis grossocerata* Osborn and Drake.

***Alveotingis brevicornis Osborn and Drake**

Alveotingis brevicornis Osborn and Drake 1917b, p. 305, fig. 2c [Iowa].—Froeschner 1944, p. 670 [Mo.].

TYPE: Holotype ♀, macropterous; Little Rock, Iowa, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Iowa; Mo.; Minn.).

HOST PLANT: Unrecorded.

***Alveotingis grossocerata Osborn and Drake**

Alveotingis grossocerata Osborn and Drake 1916a, p. 245, fig. 9 [Maine]; 1917b, pp. 305, 306, fig. 2a [N.H.].—Van Duzee 1917b, p. 221 [Pa.].—Parshley 1917a, p. 25; 1917b, p. 57; 1920a, p. 274; 1922a, p. 236 [Conn.]; 1923b, p. 707.—Blatchley 1926, p. 486, fig. 113.—Drake 1928b, p. 103 [N.Y.; thistle].—Torre-Bueno 1931, p. 149 [Mass.].—Bailey 1951, p. 20.—Drake and Davis 1960, fig. 67.

TYPE: Holotype ♂, brachypterous; Orono, Maine, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Maine; N.H.; Mass.; Conn.; N.Y.; Pa.; Kans.).

HOST PLANT: Unrecorded.

NOTE: Netted on thistle.

***Alveotingis minor Osborn and Drake**

Alveotingis minor Osborn and Drake 1917b, p. 305, fig. 2h [Iowa].

TYPE: Holotype ♂, brachypterous; Ames, Iowa, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Iowa).

HOST PLANT: Unrecorded.

Genus AMBLYSTIRA Stål

Amblystira Stål 1873, pp. 120, 129.—Champion 1897, p. 29 (key).—Monte 1939b, p. 65; 1941e, p. 77.—Hurd 1946, p. 455.—Drake and Ruhoff 1960a, p. 35.

TYPE SPECIES: *Monanthia pallipes* Stål.

***Amblystira amica Drake and Ruhoff**

Amblystira solida Drake 1942a, p. 17 (not p. 16) [Haiti].

Amblystira dozieri Drake and Hambleton 1944a, p. 94.

Amblystira amica Hurd 1946, p. 456 (nom. nud.).—Drake and Ruhoff 1960c, p. 31.

TYPE: Holotype ♀, macropterous; Hinche, Haiti; Drake Coll. (USNM).
 DISTRIBUTION: Haiti.
 HOST PLANT: Unrecorded.

Amblystira angella Drake and Ruhoff

Amblystira angella Drake and Ruhoff 1962c, p. 137, fig. 1 [Peru].

TYPE: Holotype ♀, macropterous; Monson Valley, Tingo Maria, Peru; Cal. Acad.

DISTRIBUTION: Peru.

HOST PLANT: Unrecorded.

***Amblystira atrinervis** Champion

Amblystira atrinervis Champion 1897, p. 31, pl. 2, fig. 24 [Mexico].

TYPE: Holotype ♂; Atoyac, Vera Cruz, Mexico; British Mus.

DISTRIBUTION: Mexico.

HOST PLANT: Unrecorded.

***Amblystira fuscitarsis** Champion

Amblystira fuscitarsis Champion 1897, p. 30, pl. 2, figs. 21–22 [Guatemala; Panama].—Drake and Bruner 1924a, p. 148 [Cuba].—Monte 1938b, p. 128 [Brazil].—Bruner, Scaramuzza and Otero 1945, p. 100 [*Lonchocarpus sericeus*].—Drake and Hambleton 1945, p. 358 [Colombia; Haiti; *Derris elliptica*].

TYPE: Sex unknown; Volcan de Atitlan, Guatemala; British Mus.

DISTRIBUTION: Mexico; Guatemala; Panama; Colombia; Brazil; Haiti; Cuba.

HOST PLANTS: *Derris elliptica*; *Lonchocarpus sericeus*.

***Amblystira laevifrons** Champion

Amblystira laevifrons Champion 1897, p. 31, pl. 2, fig. 25 [Mexico].

TYPE: Sex unknown; Atoyac, Vera Cruz, Mexico; British Mus.

DISTRIBUTION: Mexico.

HOST PLANT: Unrecorded.

***Amblystira machalana** Drake

Amblystira machalana Drake 1948c, p. 22 [Ecuador].

TYPE: Holotype ♂, macropterous; Machala, Ecuador; Drake Coll. (USNM).

DISTRIBUTION: Ecuador; Peru.

HOST PLANTS: Teak; cacao.

Amblystira maculata Van Duzee

Amblystira maculata Van Duzee 1907, p. 21 [Jamaica].—Drake and Bruner 1924a, p. 148, fig. 2.—Gowdy 1926, p. 35.

TYPE: Sex unknown; Richmond Village, Jamaica; Cal. Acad.

DISTRIBUTION: Jamaica.

HOST PLANT: Unrecorded.

****Amblystira marginata* Drake**

Amblystira marginata Drake 1922c, p. 362, pl. 39, fig. 7 [Canal Zone].—
Hurd 1946, p. 456 [Costa Rica].

TYPE: Holotype ♂, brachypterous; Paraiso, Panama Canal Zone;
USNM.

DISTRIBUTION: Panama (Canal Zone); Costa Rica.

HOST PLANT: Unrecorded.

****Amblystira melanosoma* Monte**

Amblystira melanosoma Monte 1941d, p. 95, fig. 2 [Costa Rica].

TYPE: Holotype ♀; San Isidro de Coronado, Alajuela, Costa Rica;
Monte Coll. (Mus. Nacional).

DISTRIBUTION: Costa Rica.

HOST PLANT: Unrecorded.

****Amblystira morrisoni* Drake**

Amblystira morrisoni Drake 1922c, p. 360 [Dominican Republic].—Drake
and Bruner 1924a, p. 148.

TYPE: Holotype ♂, macropterous; San Domingo City, San Domingo;
USNM.

DISTRIBUTION: Dominican Republic.

HOST PLANT: Unrecorded.

****Amblystira nyctalis* Drake**

Amblystira nyctalis Drake 1922c, p. 360 [Brazil].

TYPE: Holotype ♂; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

****Amblystira opaca* Champion**

Amblystira opaca Champion 1897, p. 30, pl. 2, fig. 23 [Guatemala].—
Hurd 1946, p. 456 [Panama].

TYPE: Sex unknown; San Isidro, Guatemala; British Mus.

DISTRIBUTION: Guatemala; Panama; Nicaragua.

HOST PLANT: *Derris elliptica*.

****Amblystira pallipes* (Stål)**

Monanthia (Tropidocheila) pallipes Stål 1858, p. 62 [Brazil].

Monanthia pallipes: Walker 1873a, p. 192.

Amblystira pallipes: Stål 1873, p. 129.—Champion 1898b, p. 61, pl. 2,
fig. 12.—Drake and Hambleton 1935, p. 141 [*Serjania*]; 1944b, p. 124
[Venezuela]; 1945, p. 358 [Peru].—Drake and Poor 1937d, p. 304
[Colombia].—Monte 1938b, p. 128; 1939b, p. 65 [*Bredemeyera*].

TYPE: Sex unknown; Rio de Janeiro, Brazil; Stockholm Mus.

DISTRIBUTION: Brazil; Colombia; Peru; Venezuela.

HOST PLANTS: *Serjania* sp.; *Bredemeyera* sp.

***Amblystira peltogyne** Drake and Hambleton

Amblystira peltogyne Drake and Hambleton 1935, p. 141, fig. 1 [Brazil; *Peltogyne*].—Monte 1939b, p. 65 [*Hymenaea stigonocarpa*].

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANTS: *Peltogyne* sp.; *Hymenaea stigonocarpa*.

***Amblystira pensa** Drake and Hambleton

Amblystira pensa Drake and Hambleton 1939, p. 155 [Brazil].—Monte 1941c, p. 78 [*Roupala*].

TYPE: Holotype ♂, macropterous; Belo Horizonte, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Roupala* sp.

***Amblystira scita** Drake and Hambleton

Amblystira scita Drake and Hambleton 1944b, p. 124 [Costa Rica].

TYPE: Holotype ♀, macropterous; Mercedes, Costa Rica; Drake Coll. (USNM).

DISTRIBUTION: Costa Rica.

HOST PLANT: Unrecorded.

***Amblystira silvicola** Drake

Amblystira silvicola Drake 1922c, p. 361, pl. 39, fig. 6 [Bolivia; Brazil; British Guiana]; 1935, p. 11 [Paraguay]; 1936b, p. 699 [Argentina].—Monte 1938b, p. 128; 1939b, p. 65 [*Serjania*; Bignoniaceae].—Silva 1956, p. 18, fig. 3.

TYPE: Holotype ♂; Rio Machupe, Bolivia; Carnegie Mus.

DISTRIBUTION: Bolivia; Brazil; British Guiana; Argentina; Paraguay.

HOST PLANTS: *Serjania* sp.; Bignoniaceae.

***Amblystira socia** Drake

Amblystira socia Drake 1942a, p. 17 [Paraguay].

TYPE: Holotype ♂, macropterous; Chaco, Paraguay; Drake Coll. (USNM).

DISTRIBUTION: Paraguay; Peru; Bolivia.

HOST PLANT: Unrecorded.

***Amblystira solida** Drake

Amblystira solida Drake 1942a, p. 16 [Brazil].—Drake and Davis 1960, fig. 66.

TYPE: Holotype ♀, macropterous; Guaruja, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

Genus AMBOTINGIS Drake and Ruhoff

Ambotising Drake and Ruhoff 1960c, p. 29.

TYPE SPECIES: *Monanthia senta* Drake and Hambleton.

***Ambotising senta** (Drake and Hambleton)

PLATE 10

Monanthia senta Drake and Hambleton 1942a, p. 329 [Peru]; 1945, p. 356 [Ecuador].

Ambotising senta: Drake and Ruhoff 1960c, p. 31, fig. 1; 1960e, p. 80.

TYPE: Holotype ♂, macropterous; Sullena, Peru; Drake Coll. (USNM).

DISTRIBUTION: Peru; Ecuador.

HOST PLANT: Unrecorded.

Genus AMBYCYSTA Drake and Hurd

Ambycysta Drake and Hurd 1945b, p. 129.—Hurd 1946, p. 475.—Drake and Ruhoff 1960a, p. 36.

TYPE SPECIES: *Megalocysta championi* Drake.

***Ambycysta championi** (Drake)

Megalocysta championi Drake 1922b, p. 38 [Brazil].—Monte 1941e, p. 123; 1942c, p. 302.

Ambycysta championi: Drake and Hurd 1945b, p. 130.

TYPE: Holotype ♂, macropterous; Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

NOTE: This species is known only from the holotype, which was erroneously recorded as a female in the original description.

Ambycysta cornuta (Monte)

Megalocysta cornuta Monte 1942c, p. 302, figs. 1–3 [Peru].

Ambycysta cornuta: Drake and Hurd 1945b, p. 130.

TYPE: Holotype ♂; Hacienda San Juan, Col. Perene, Peru; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Peru.

HOST PLANT: Unrecorded.

***Ambycysta enodis** Drake

Ambycysta enodis Drake 1948j, p. 430.

TYPE: Holotype ♀, macropterous; Pachitea, Peru; Drake Coll. (USNM).

DISTRIBUTION: Peru.

HOST PLANT: Unrecorded.

***Ambycysta gibbifera** (Picado)

Leptostyla gibbifera Picado 1913, pp. 303, 306, pl. 13, fig. 5; figs. 29, 30 [Costa Rica; *Aechmea*].

Megalocysta gibbifera: Drake 1928d, p. 23.—Monte 1942c, p. 302.

Ambycysta gibbifera: Drake and Hurd 1945b, p. 130.

TYPE: Sex unknown; Orosi, Costa Rica; Paris Mus.

DISTRIBUTION: Costa Rica.

HOST PLANT: *Aechmea* sp.

Genus AMMIANUS Distant

Ammianus Distant 1903b, p. 136; 1910a, p. 115.—Drake 1955d, p. 5; 1957c, p. 31.—Drake and Ruhoff 1960a, p. 36.

Monanthia (*Phyllontocheila*) Fieber 1844, p. 59 (in part).

Phyllontocheila (emendation): Stål 1873, pp. 120, 128.—Horváth 1909b, p. 632; 1910, p. 62.

Sakuntala Kirkaldy 1902, p. 298.—Horváth 1909b, p. 632; 1910, p. 62.—Drake and Ruhoff 1960a, p. 80.

Phyllontocheila: Horváth 1911a, p. 327 (key).—Schouteden 1923, p. 95.—Drake and Ruhoff 1960a, p. 76.

Phyllontocheila (*Kitoko*) Schouteden 1923, p. 95.—Drake 1955c, p. 105.—Drake and Ruhoff 1960a, p. 63.

TYPE SPECIES: *Monanthia* (*Phyllontocheila*) *erosa* Fieber.

****Ammianus admirandus* (Drake)**

Phyllontocheila admiranda Drake 1931d, p. 96 [Borneo; Malaya]; 1934b, p. 107, fig.

Ammianus admirandus: Drake 1955d, p. 5.

TYPE: Sex unknown; Borneo; Paris Mus.

DISTRIBUTION: Greater Sunda Islands (Borneo); Federation of Malaya.

HOST PLANT: Unrecorded.

****Ammianus alaticollis* (Stål)**

Phyllontocheila alaticollis Stål 1855a, p. 37 [Natal].—Horváth 1911a, pp. 329, 331.

Monanthia (*Phyllontochila*) *alaticollis*: Stål 1865, p. 27 [Caffraria].

Monanthia alaticollis: Walker 1873a, p. 195.

Phyllontochila alaticollis: Stål 1873, p. 128.—Distant 1902a, p. 241, pl. 15, fig. 5.

Phyllontochila (*Sinuessa*) *alaticollis*: Horváth 1910, p. 63 [Tanganyika].

Ammianus alaticollis: Drake 1957c, p. 32.

TYPE: Sex unknown; Natal, South Africa; Stockholm Mus.

DISTRIBUTION: South Africa (Natal); Tanganyika; Mozambique.

HOST PLANT: Unrecorded.

****Ammianus alberti* (Schouteden)**

PLATES 36, 37

Phyllontocheila alberti Schouteden 1916a, p. 275 [Congo]; 1916b, p. 293.—Drake 1954e, p. 4.

Phyllontocheila (*Kitoko*) *alberti*: Schouteden 1923, p. 96.—Mayné and Ghésquière 1934, p. 20 [*Vernonia conferta*; cacao].

Kitoko alberti: Schouteden 1953d, p. 170.

Ammianus alberti: Drake 1955d, p. 5.

TYPE: Sex unknown; Uelé, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANTS: *Vernonia conferta*; cacao.

***Ammianus alberti** var. **tricarinatus** (Schouteden)

Kitoko alberti var. *tricarinata* Schouteden 1953d, p. 170 [Congo].

Phyllontocheila alberti subsp. *tricarinata*: Drake and Gomez-Menor 1954, p. 93 [Spanish Guinea].—Drake 1955c, p. 105 [Cameroun; *Vernonia*].

Ammianus alberti var. *triseriatus* [sic]: Drake 1955d, p. 5.

Piesma pupla (not Puton): Gomez-Menor 1956a, p. 119, fig. 15 (fig. only).

TYPE: Sex unknown; Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo; Spanish Guinea; Cameroun.

HOST PLANT: *Vernonia* sp.

Ammianus basilewskyi Schouteden

Ammianus basilewskyi Schouteden 1957c, p. 315 [Ruanda].

TYPE: Sex unknown; Ruanda; Cent. Afr. Mus.

DISTRIBUTION: Ruanda-Urundi.

HOST PLANT: Unrecorded.

***Ammianus bobangensis** (Schouteden)

Phyllontocheila bobangensis Schouteden 1923, p. 96 [Congo].

Ammianus bobangensis: Drake 1955d, p. 5; 1958b, p. 29.

TYPE: Sex unknown; Bolobo, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Ammianus burgeoni** (Schouteden)

Phyllontocheila burgeoni Schouteden 1923, p. 97 [Congo].

TYPE: Sex unknown; Mabao, Haut Uelé, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Ammianus corticinus** (Horváth)

Phyllontocheila corticina Horváth 1911a, pp. 328, 329 [Cameroun].—Schouteden 1923, p. 99 [Congo].

Ammianus corticinus: Drake 1955d, p. 5.

TYPE: Sex unknown; Vallis N'Goko, Cameroun; Hungarian Mus.

DISTRIBUTION: Cameroun; Congo.

HOST PLANT: Unrecorded.

***Ammianus depictus** (Schouteden)

Phyllontocheila burgeoni var. *depicta* Schouteden 1923, p. 98 [Congo].

Ammianus depictus: Drake and Ruhoff 1962a, p. 156.

TYPE: Sex unknown; Belgian Congo; Cent. Afr. mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

**Ammianus dilatatus* (Guérin-Méneville) PLATE 38

Tingis dilatata Guérin-Méneville 1831, p. 8, fig. [Senegal].—Stål 1873, p. 134.

Phyllontocheila dilatata: Distant 1902a, p. 241 [West Africa; Rhodesia]; 1902b, p. 355 [Sierra Leone].

Phyllontocheila dilatata: Horváth 1911a, pp. 328, 331.—Drake 1954a, p. 232 [Ivory Coast]; 1954e, p. 4 [Congo]; 1955b, p. 90 [Angola]; 1955c, p. 105 [Cameroun; Nigeria].

Ammianus dilatatus: Drake 1955d, p. 5.

TYPE: Senegal; sex and deposition of type unknown.

DISTRIBUTION: Senegal; Sierra Leone; Guinea; Ivory Coast; Ghana; Nigeria; Cameroun; Spanish Guinea; Angola; Congo; Rhodesia; West Africa.

HOST PLANT: Unrecorded.

Ammianus dilatatus var. *obscurus* (Schumacher)

Phyllontocheila dilatata var. *obscura* Schumacher 1912, p. 320 [Cameroons].

TYPE: Barombi, Cameroons; sex and deposition of type unknown.

DISTRIBUTION: Cameroons.

HOST PLANT: Unrecorded.

**Ammianus elisabethae* (Schouteden)

Phyllontocheila elisabethae Schouteden 1916a, p. 274 [Congo]; 1916b, p. 293; 1923, p. 99 [Tanganyika].

Ammianus elisabethae: Drake 1955d, p. 5.

TYPE: Sex unknown; Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo; Tanganyika.

HOST PLANT: Unrecorded.

**Ammianus erosus* (Fieber)

Monanthia (Phyllontocheila) erosa Fieber 1844, p. 71, pl. 6, figs. 5–9 [Ostindien].—Herrich-Schaeffer 1850, p. 155.

Tingis erosa: Stål 1870a, p. 671 [Philippines].—Walker 1873a, p. 181 [India].

Phyllontocheila erosa: Stål 1873, p. 128 [Penang].—Distant 1902b, p. 355.—Drake and Poor 1937a, p. 15 [Luzon].—Drake 1937a, p. 387 [Sumatra]; 1938b, p. 196 [China].

Ammianus erosus: Distant 1903b, p. 137, fig. 100 [Burma].—Drake 1955d, p. 5; 1957c, p. 32.

Phyllontocheila erosa: Blöte 1945, p. 92.

TYPE: Sex unknown; "Ostindien"; Vienna Mus.

DISTRIBUTION: India; Burma; Thailand; Penang; China; Greater Sunda Islands (Sumatra; Java); Philippine Islands (Luzon).

HOST PLANT: Unrecorded.

****Ammianus flabilis* (Bergroth)**

Phyllontochila flabilis Bergroth 1894, p. 167 [Malagasy].

Ammianus flabilis: Drake 1955d, p. 5.

Ammianus flabilis [sic]: Drake 1957f, p. 131.

TYPE: Sex unknown; Madagascar; Helsin. Mus.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

****Ammianus ghesquierei* (Schouteden)**

Phyllontocheila ghesquierei Schouteden 1923, p. 99 [Congo].—Drake 1954e, p. 4.

TYPE: Sex unknown; Luebo, Kasai, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

****Ammianus junodi* (Distant)**

Phyllontochila junodi Distant 1904, p. 431, pl. 8, fig. 10 [Transvaal].

Phyllontochila (Sinuessa) junodi: Horváth 1910, p. 64 [Tanganyika].

Phyllontocheila junodi: Horváth 1911a, pp. 329, 332.—Drake 1956f, p. 424 [Cape Province; Uganda; Kenya; Natal; Zanzibar].

Ammianus junodi [sic]: Drake 1957c, p. 32.

TYPE: Sex unknown; Shilouvane, Zoutpansberg District, Transvaal, South Africa; British Mus.

DISTRIBUTION: South Africa (Transvaal; Natal; Cape Province); Uganda; Kenya; Tanganyika; Zanzibar.

HOST PLANT: Unrecorded.

****Ammianus kassianoffi* Drake**

Ammianus kassianoffi Drake 1955d, p. 4 [Congo; Uganda].

TYPE: Holotype ♂; Lukolo, Belgian Congo; Brussels Mus.

DISTRIBUTION: Congo; Uganda.

HOST PLANT: Unrecorded.

****Ammianus laminatus* (Horváth)**

Phyllontocheila laminata Horváth 1911a, pp. 328, 330 [Uganda].—

Schouteden 1916b, p. 293 [Congo]; 1923, p.100.—Drake and Gomez-

Menor 1954, p.93 [Cameroun].

Ammianus laminatus: Drake 1955d, p. 5.

TYPE: Entebbe, Uganda; sex and deposition of type unknown.

DISTRIBUTION: Uganda; Cameroun; Congo; Tanganyika; Kenya.

HOST PLANT: Unrecorded.

***Ammianus maseruanus* (Drake)**

Phyllontocheila maseruana Drake 1956f, p. 424 [Basutoland].

TYPE: Holotype ♂; Mount Machache, Basutoland; Lund Zool. Inst.

DISTRIBUTION: Basutoland.

HOST PLANT: Unrecorded.

***Ammianus mayri** (Haglund)

Phyllontochila mayri Haglund 1895, p. 471 [Cameroun].—Distant 1902a, p. 241 [West Africa].

Phyllontocheila mayri: Horváth 1911a, p. 331 [Dahomey].

Ammianus mayri: Drake 1955d, p. 5.

TYPE: Sex unknown; Cameroun; Stockholm Mus.

DISTRIBUTION: Cameroun; Dahomey; West Africa.

HOST PLANT: Unrecorded.

***Ammianus mayri** subsp. **septuosus** Drake and Ruhoff

Phyllontocheila mayri var. *obscura* Schouteden 1916a, p. 276 [Congo].

Ammianus mayri var. *obscura*: Drake 1955d, p. 5.

Ammianus mayri subsp. *septuosus* Drake and Ruhoff 1962a, p. 161.

TYPE: Sex unknown; Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo; Nigeria; Sierra Leone.

HOST PLANT: Unrecorded.

***Ammianus mussolinii** (Mancini)

Phyllontocheila mussolinii Mancini 1939a, p. 214, tab. 5, fig. 2 [Ethiopia].

Ammianus amoenus Drake 1956b, p. 112 [Kenya].

Ammianus mussolinii: Drake and Ruhoff 1961c, p. 145.

TYPE: Holotype ♂; Neghelli, Ethiopia; Mancini Coll.

DISTRIBUTION: Ethiopia; Kenya.

HOST PLANT: Unrecorded.

***Ammianus perakensis** (Distant)

Phyllontochila perakensis Distant 1902b, p. 355 [Malaya].

Phyllontocheila perakensis: Blöte 1945, p. 92 [Sumatra].

Ammianus perakensis [sic]: Drake 1955d, p. 5.

Ammianus perakensis: Drake 1957c, p. 32.

TYPE: Sex unknown; Perak, Malay Peninsula; British Mus.

DISTRIBUTION: Federation of Malaya; Greater Sunda Islands (Sumatra; Sarawak).

HOST PLANT: Unrecorded.

***Ammianus philippinensis** (Distant)

Phyllontochila philippinensis Distant 1902b, p. 355 [Philippines].—Drake and Poor 1937a, p. 15 [Luzon].

Phyllontocheila philippinensis: Drake and Poor 1937b, p. 403.

Ammianus philippinensis: Drake 1957c, p. 32.

TYPE: Sex unknown; Philippine Islands; British Mus.

DISTRIBUTION: Philippine Islands (Luzon; Mindanao); Greater Sunda Islands (Java).

HOST PLANT: Unrecorded.

****Ammianus ravanus* (Kirkaldy)**

Sakuntala ravana Kirkaldy 1902, p. 299 [Ceylon].—Blöte 1945, p. 86 [Lombok].

Phyllontocheila ravana: Distant 1903a, p. 51; 1903b, p. 136, fig. 99 [*Vitex trifolia*]; 1910a, p. 115 [India].—Drake 1926e, p. 335 [*Vitex pubescens*; Java]; 1933, p. 1016.—Drake and Poor 1936b, p. 146; 1937a, p. 15 [Singapore; Philippines].—Singh 1953, p. 118.

Ammianus ravanus: Drake 1957c, p. 31.

TYPE: Peradeniya, Ceylon; sex and deposition of type unknown.

DISTRIBUTION: India; Ceylon; Singapore; Lesser Sunda Islands (Lombok); Greater Sunda Islands (Java; Sumatra); Philippine Islands.

HOST PLANTS: *Vitex pubescens*; *Vitex trifolia*.

****Ammianus schoutedeni* Distant**

Ammianus schoutedeni Distant 1908a, p. 220 [Congo].—Drake 1955d, p. 5.

Phyllontocheila schoutedeni: Horváth 1911a, p. 333.—Schouteden 1916a, p. 276; 1916b, p. 293; 1923, p. 101.—Mayné and Ghesquière 1934, p. 20 [*Triumfetta rhombeaefolia*].—Drake and Gomez-Menor 1954, p. 93 [Rio Muni].

Stephanitis pyrioides (not Scott): Gomez-Menor 1956a, p. 117, fig. 12 (fig. only).

TYPE: Sex unknown; Popocabacca, Belgian Congo; British Mus.

DISTRIBUTION: Congo; Rio Muni; Ghana; Liberia.

HOST PLANT: *Triumfetta rhombeaefolia*.

****Ammianus spinosus* (Schouteden)**

Phyllontocheila spinosa Schouteden 1923, p. 100 [Congo].

Ammianus spinosus: Drake 1955d, p. 5.

TYPE: Sex unknown; Madyu, Haut Uelé, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Ammianus tellinii* (Schouteden)**

Phyllontocheila tellinii Schouteden 1916a, p. 273 [Eritrea].

TYPE: Sex unknown; Adi Ugri, Eritrea; Cent. Afr. Mus.

DISTRIBUTION: Eritrea.

HOST PLANT: Unrecorded.

****Ammianus toi* (Drake)**

Phyllontochila toi Drake 1938b, p. 196 [China]; 1947d, p. 228 [Viet-Nam].

Ammianus toi: Drake 1955d, p. 5; 1957c, p. 32.

TYPE: Holotype ♂; Canton, P'an-yu District, China; Lingnan Surv.

DISTRIBUTION: China; Viet-Nam; Greater Sunda Islands (Java).

HOST PLANT: Unrecorded.

Ammianus urundicus Schouteden

Ammianus urundicus Schouteden 1957c, p. 313 [Urundi].

TYPE: Sex unknown; Urundi; Cent. Afr. Mus.

DISTRIBUTION: Ruanda-Urundi.

HOST PLANT: Unrecorded.

***Ammianus vanderijsti** (Schouteden)

Phyllontocheila vanderijsti Schouteden 1923, p. 101 [Congo].

TYPE: Sex unknown; Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo; Kenya; Tanganyika.

HOST PLANT: Unrecorded.

Ammianus vicinus Schouteden

Ammianus vicina Schouteden 1957c, p. 315 [Ruanda].

TYPE: Sex unknown; Ruanda; Cent. Afr. Mus.

DISTRIBUTION: Ruanda-Urundi.

HOST PLANT: Unrecorded.

***Ammianus wahlbergi** (Stål)

Phyllontocheila wahlbergi Stål 1855a, p. 37 [Natal].—Horváth 1911a, p. 331.—Schouteden 1923, p. 103 [Congo].—Mancini 1939a, p. 214 [Ethiopia].—Drake 1954a, p. 232 [Guinea].

Monanthia (Phyllontochila) wahlbergi: Stål 1865, p. 27 [Caffraria].

Monanthia wahlbergi: Walker 1873a, p. 195.

Phyllontochila wahlbergii [sic]: Stål 1873, p. 128.—Distant 1902a, p. 241.

TYPE: Sex unknown; Natal, South Africa; Stockholm Mus.

DISTRIBUTION: South Africa (Natal); Nigeria; Guinea; Congo; Ethiopia.

HOST PLANT: Unrecorded.

Genus ANGOLOTINGIS Drake

Angolotingis Drake 1955b, p. 88.—Drake and Ruhoff 1960a, p. 37.

TYPE SPECIES: *Angolotingis vilhenai* Drake.

***Angolotingis vilhenai** Drake

Angolotingis vilhenai Drake 1955b, p. 88, fig. 2 [Angola]; 1958a, p. 104, fig. 1.

TYPE: Holotype ♂; Serra do Moco, Luimbale, Angola; Cent. Afr. Mus.

DISTRIBUTION: Angola; Southern Rhodesia.

HOST PLANT: Unrecorded.

Genus ANGOLUSA Drake

Angolusa Drake 1958a, p. 104.—Drake and Ruhoff 1960a, p. 37.

TYPE SPECIES: *Angolusa machadoi* Drake.

Angolusa machadoi Drake

Angolusa machadoi Drake 1958a, p. 105.

TYPE: Holotype ♀; Vila Luso, Angola; Cent. Afr. Mus.

DISTRIBUTION: Angola.

HOST PLANT: Unrecorded.

Genus APHELOTINGIS Drake

Aphelotingis Drake 1948g, p. 176.—Drake and Ruhoff 1960a, p. 37.

TYPE SPECIES: *Abdastarus muiri* Drake.

***Aphelotingis muiri (Drake)**

Abdastarus muiri Drake 1927d, p. 307 [Java; Singapore].

Aphelotingis muri [sic]: Drake 1948g, p. 176.

TYPE: Holotype ♂, macropterous; Pekalongan, Java; Drake Coll. (USNM).

DISTRIBUTION: Singapore; Greater Sunda Islands (Java).

HOST PLANT: Unrecorded.

***Aphelotingis perinetana Drake**

Aphelotingis perinetana Drake 1957f, p. 130 [Malagasy].

TYPE: Holotype ♀; Périnet, Madagascar; Madagascar Sci. Inst.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

Aphelotingis tacsá Drake

Aphelotingis tacsá Drake 1957f, p. 129 [Malagasy].

TYPE: Holotype ♂; Périnet, Madagascar; Madagascar Sci. Inst.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

Genus ARISTOBYRSA Drake and Poor

Aristobyrssa Drake and Poor 1937c, p. 164.—Monte 1941e, p. 79.—

Hurd 1946, p. 472.—Drake and Ruhoff 1960a, p. 37.

TYPE SPECIES: *Leptobyrssa latipennis* Champion.

***Aristobyrssa latipennis (Champion)**

Leptobyrssa latipennis Champion 1897, p. 25, pl. 2, figs. 13, 13a [Panama].

Aristobyrssa latipennis: Drake and Poor 1937c, p. 164 [Brazil; Peru].—

Monte 1940b, p. 375; 1943a, p. 105; 1947b, p. 432 [*Lucuma* sp.].—

Silva 1956, p. 19.

TYPE: Sex unknown; Bugaba, Panama; British Mus.

DISTRIBUTION: Panama; Brazil; Peru.

HOST PLANT: *Lucuma* sp.

Genus ARUSHIA Drake

Arushia Drake 1951, p. 170.—Drake and Ruhoff 1960a, p. 37.

TYPE SPECIES: *Arushia horvathi* Drake.

***Arushia connata Drake**

Arushia connata Drake 1951, p. 170 [Tanganyika; Kenya].

TYPE: Holotype ♀; Arusha-Ju, Africa orientalis; Hungarian Mus.

DISTRIBUTION: Tanganyika; Kenya.

HOST PLANT: Unrecorded.

***Arushia horvathi** Drake

Arushia horvathi Drake 1951, p. 170 [Tanganyika]; 1954g, p. 663 [Ethiopia; Congo]; 1956a, p. 5.

TYPE: Holotype ♀; Arusha-Ju, Africa orientalis; Hungarian Mus.

DISTRIBUTION: Tanganyika; Congo; Ethiopia; Guinea.

HOST PLANT: Gramineae.

Genus ATHEAS Champion

Atheas Champion 1898a, p. 44.—Heidemann 1909, p. 231 (key).—

Banks 1910, p. 55.—Van Duzee 1916, p. 26; 1917b, p. 222.—Blatchley 1926, p. 494 (key).—Monte 1939b, p. 65; 1941e, p. 80.—Hurd 1946, p. 460.—Drake and Ruhoff 1960a, p. 38.

TYPE SPECIES: *Atheas nigricornis* Champion.

***Atheas austroriparius** Heidemann

Atheas austroriparius Heidemann 1909, p. 235, fig. [Tex.; Fla.].—Barber 1914, p. 507.—Drake 1925c, p. 39 [Miss.; *Desmodium*].—Blatchley 1926, p. 496, fig. 119c.—Froeschner 1944, p. 670 [Mo.].

TYPE: Holotype ♀, brachypterous; Duval, Florida, U.S.; USNM.

DISTRIBUTION: U.S. (Fla.; Miss.; Tex.; Mo.; S.C.); Mexico.

HOST PLANTS: *Desmodium* sp.; *Schrankia* sp.

Atheas cearanus Monte

Atheas cearana Monte 1947b, p. 430 [Brazil; *Manihot*].

TYPE: Holotype ♂; Baturité, Ceará, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: *Manihot* sp.

***Atheas exiguus** Heidemann

Atheas exiguus Heidemann 1909, p. 233, fig. [Fla.].—Barber 1914, p. 507.—Blatchley 1926, p. 496, fig. 119b; 1928, p. 5.

TYPE: Holotype ♂, macropterous; Sevenoaks, Florida, U.S.; USNM.

DISTRIBUTION: U.S. (Fla.; Miss.; Tex.).

HOST PLANT: Unrecorded.

***Atheas flavipes** Champion

Atheas flavipes Champion 1898a, p. 45, pl. 3, figs. 19, 19a [Panama].—Drake and Hambleton 1938a, p. 46, fig. 7 [Brazil; *Machaerium angustifolium*].

TYPE: Sex unknown; Bugaba, Panama; British Mus.

DISTRIBUTION: Panama; Brazil.

HOST PLANT: *Machaerium angustifolium*.

***Atheas fuscipes** Champion

Atheas fuscipes Champion 1898a, p. 45, pl. 3, fig. 20 [Mexico; Guatemala].—Drake and Hambleton 1934, p. 438 [Brazil; Leguminosae].—Costa Lima 1936, p. 125.—Drake 1942a, p. 15 [Bolivia; Paraguay].

TYPE: Sex unknown; Rio Naranjo, Guatemala; British Mus.

DISTRIBUTION: Mexico; Guatemala; El Salvador; Brazil; Bolivia; Paraguay.

HOST PLANT: Leguminosae.

***Atheas insignis** Heidemann

Atheas insignis Heidemann 1909, p. 232, fig. [Md.; D.C.].—Osborn and Drake 1917b, p. 295 [Va.].—McAtee 1923, p. 146 [*Stylosanthes biflora*].—Drake 1925c, p. 39 [Miss.; *Desmodium*].—Blatchley 1926, p. 495, fig. 119a.

TYPE: Holotype ♀, macropterous; Bladensburg, Maryland, U.S.; USNM.

DISTRIBUTION: U.S. (Md.; D.C.; Va.; Miss.).

HOST PLANTS: *Desmodium* sp.; *Stylosanthes biflora*.

***Atheas laetantis** Drake and Hambleton

Atheas laetantis Drake and Hambleton 1944b, p. 124 [Brazil; *Machaerium angustifolium*; *Machaerium*].

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANTS: *Machaerium angustifolium*; *Machaerium* sp.

***Atheas mimeticus** Heidemann

Atheas mimeticus Heidemann 1909, p. 234, fig. [Wis.; Minn.; Kans.].—Osborn and Drake 1917b, p. 295 [Colo.; N. Mex.].—Drake 1925c, p. 39 [Miss.; *Desmodium*].—Blatchley 1926, p. 496, fig. 119d.—Froeschner 1944, p. 670 [Mo.; *Petalostemon purpureum*].—Hurd 1946, p. 460 [Wyo.].

Atheas annulatus Osborn and Drake 1917b, p. 295 [Ark.].—Froeschner 1944, p. 670.

Atheas sordidus Osborn and Drake 1917b, p. 296 [Iowa].

TYPE: Holotype ♂, brachypterous; Onaga, Kansas, U.S.; USNM.

DISTRIBUTION: U.S. (Wyo.; Colo.; N. Mex.; Nebr.; Kans.; Iowa; Minn.; Wis.; Mo.; Ark.; La.; Miss.; Fla.).

HOST PLANTS: *Desmodium* sp.; *Petalostemon purpureum*.

***Atheas mirabilis** Drake

Atheas mirabilis Drake 1938a, p. 70 [Mexico].

TYPE: Holotype ♂; Temescaltepec, Mexico; Cal. Acad.

DISTRIBUTION: Mexico.

HOST PLANT: Unrecorded.

***Atheas nigricornis** Champion

Atheas nigricornis Champion 1898a, p. 45, pl. 3, fig. 21 [Mexico; Guatemala].—Osborn and Drake 1915b, p. 536; 1917b, p. 296 [Ariz.].—Drake 1938a, p. 70.—Hurd 1946, p. 461 [*Alnus acuminata*; *Parosela citriodora*].

TYPE: Sex unknown; Cerro Zunil, Guatemala; British Mus.

DISTRIBUTION: Ecuador; Honduras; Guatemala; Mexico; U.S. (Tex.; Ariz.).

HOST PLANTS: *Alnus acuminata*; *Parosela citriodora*.

***Atheas ornatipes** Drake and Hambleton

Atheas ornatipes Drake and Hambleton 1935, p. 143 [Brazil; *Aeschynomene falcata*].

TYPE: Holotype ♂, macropterous; Guarujá, São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Aeschynomene falcata*.

***Atheas paganus** Drake

Atheas paganus Drake 1942a, p. 15 [Brazil; *Aeschynomene*].

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Aeschynomene* sp.

***Atheas placentis** Drake and Poor

Atheas fuscipes (not Champion): Monte 1939b, p. 66 [*Celtis brasiliensis*].

Atheas placentis Drake and Poor 1940, p. 226 [Brazil].—Drake and Hambleton 1944b, p. 124.

TYPE: Holotype ♀, macropterous; Belo Horizonte, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Celtis brasiliensis*.

***Atheas tristis** Van Duzee

Atheas tristis Van Duzee 1923, p. 143 [Mexico; *Aeschynomene nivea*].

TYPE: Holotype ♂; Concepcion Bay, Lower California, Mexico; Cal. Acad.

DISTRIBUTION: Mexico.

HOST PLANT: *Aeschynomene nivea*.

Genus AULOTINGIS Drake and Poor

Aulotingis Drake and Poor 1943, p. 194.—Drake and Ruhoff 1960a, p. 38.

TYPE SPECIES: *Aulotingis moalae* Drake and Poor.

Aulotingis moalae Drake and Poor

Aulotingis moalae Drake and Poor 1943, p. 195, fig. 2 [Fiji].

TYPE: Holotype ♂; Naroi, Moala Island, Fiji Islands; Bishop Mus.

DISTRIBUTION: Fiji Islands (Moala).

HOST PLANT: Unrecorded.

Genus AUSTRALOTINGIS Hacker

Australotingis Hacker 1927, p. 29.—Drake and Ruhoff 1960a, p. 38.

TYPE SPECIES: *Australotingis franzeni* Hacker.

***Australotingis franzeni** Hacker

PLATES 32, 33

Australotingis franzeni Hacker 1927, p. 29, pl. 10, fig. 15 [Queensland].

TYPE: Holotype ♀; Nanango, Queensland, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Australotingis vinnula** Drake

Australotingis vinnula Drake 1953c, p. 152 [Queensland].

TYPE: Holotype ♂; Lankelly Creek, Cape York, Queensland, Australia;

MCZ.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

Genus AXIOKERSOS Distant

Axiokersos Distant 1909a, p. 121; 1910a, p. 124.—Drake and Ruhoff 1960a, p. 38.

TYPE SPECIES: *Axiokersos ovalis* Distant.

***Axiokersos ovalis** Distant

Axiokersos ovalis Distant 1909a, p. 122 [India]; 1910a, p. 124, fig. 65.

TYPE: Sex unknown; Calcutta, India; Indian Mus.

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

Genus BAEOCHILA Drake and Poor

Cysteochila (*Baeochila*) Drake and Poor 1937b, p. 400.

Baeochila: Drake 1948e, p. 151.—Drake and Ruhoff 1960a, p. 39.

TYPE SPECIES: *Cysteochila elongata* Distant.

***Baeochila dehrana** Drake and Maa

Baeochila dehrana Drake and Maa 1954, p. 113 [India].

TYPE: Holotype ♂, macropterous; Dehra Dun, India; Drake Coll. (USNM).

DISTRIBUTION: India; Ceylon.

HOST PLANT: Unrecorded.

***Baeochila elongata** (Distant)

Cysteochila elongata Distant 1903a, p. 49 [India]; 1903b, p. 138, fig. 102.—Drake and Poor 1937a, p. 7.

Cysteochila (*Baeochila*) *elongata*: Drake and Poor 1937b, p. 400 [Taiwan].

Baeochila elongata: Drake 1948e, p. 151.—Takeya 1951a, p. 21.

TYPE: Sex unknown; Margherita, Assam, India; British Mus.

DISTRIBUTION: India; Burma; Taiwan.

HOST PLANT: Unrecorded.

Baeochila nexa (Distant)

Cysteochila nexa Distant 1903a, p. 49 [India]; 1903b, p. 139.—Drake and Poor 1937a, p. 7.

Baeochila nexa: Drake and Ruhoff 1960c, p.29.—Drake and Davis 1960, fig. 53.

TYPE: Sex unknown; Margherita, Assam, India; British Mus.

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

***Baeochila perinetana** Drake

Baeochila perinetana Drake 1958c, p. 320 [Malagasy].

TYPE: Holotype ♂; Périnet, Madagascar; Madagascar Sci. Inst.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Baeochila scitula** Drake

Baeochila scitula Drake 1948e, p. 151 [Taiwan].—Takeya 1951a, p. 21.

TYPE: Holotype ♂, macropterous; Formosa; Drake Coll. (USNM).

DISTRIBUTION: Taiwan.

HOST PLANT: Unrecorded.

Genus BAEOTINGIS Drake and Poor

Baeotising Drake and Poor 1939b, p.96.—Drake and Ruhoff 1960a, p.39.

TYPE SPECIES: *Baeotising ogloblini* Drake and Poor.

***Baeotising ogloblini** Drake and Poor

Baeotising ogloblini Drake and Poor 1939b, p. 96, fig. [Argentina].—Kormilev 1955a, p. 64.

TYPE: Holotype ♂, brachypterous; San Ignacio, Misiones, Argentina; Drake Coll. (USNM).

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

***Baeotising silvestrii** Drake

Baeotising silvestrii Drake 1948e, p. 153 [Argentina].

TYPE: Holotype ♂; Rio Santa Cruz, Patagonia, Argentina; Hungarian Mus.

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

***Baeotising vianai** Kormilev

Baeotising vianai Kormilev 1955a, p. 65, fig. 1 [Argentina].

TYPE: Holotype ♀, brachypterous; La Falda, Córdoba, Argentina; Drake Coll. (USNM).

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

Genus BAICHILA Drake and Slater

Baichila Drake and Slater 1955, p. 50.—Drake and Ruhoff 1960a, p. 39.

TYPE SPECIES: *Baichila capeneri* Drake and Slater.

***Baichila capeneri** Drake and Slater

Baichila capeneri Drake and Slater 1955, p. 51 [Transvaal].

TYPE: Holotype ♂, macropterous; Rustenburg, Union of South Africa; Drake Coll. (USNM).

DISTRIBUTION: South Africa (Transvaal).

HOST PLANT: Unrecorded.

***Baichila pulla** Drake and Slater

Baichila pulla Drake and Slater 1955, p. 52 [Transvaal].

TYPE: Holotype ♂, macropterous; Rustenburg, Union of South Africa; Drake Coll. (USNM).

DISTRIBUTION: South Africa (Transvaal).

HOST PLANT: Unrecorded.

***Baichila vulsa** Drake and Slater

Baichila vulsa Drake and Slater 1955, p. 51 [Transvaal].

TYPE: Holotype ♀, macropterous; Rustenburg, Union of South Africa; Drake Coll. (USNM).

DISTRIBUTION: South Africa (Transvaal).

HOST PLANT: Unrecorded.

Genus BAKO Schouteden

Bako Schouteden 1923, p. 91.—Drake 1954f, p. 8; 1956e, pp. 63–66.—

Drake and Ruhoff 1960a, p. 39.

Galeotingis Drake 1947b, p. 1.—Drake and Ruhoff 1960a, p. 58.

TYPE SPECIES: *Bako lebruni* Schouteden.

***Bako capeneri** Drake

Bako capeneri Drake 1956e, p. 65 [Transvaal].

TYPE: Holotype ♀, macropterous; Johannesburg, South Africa; Drake Coll. (USNM).

DISTRIBUTION: South Africa (Transvaal).

HOST PLANT: Unrecorded.

***Bako dieides** Drake and Ruhoff

Bako dieides Drake and Ruhoff 1961b, p. 181, figs. 22 a, b [Cape Province].

TYPE: Holotype ♂, macropterous; Grahamstown, South Africa; Drake Coll. (USNM).

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

***Bako editus** Drake

Bako editus Drake 1956e, p. 65 [Transvaal].

TYPE: Holotype ♀, macropterous; Johannesburg, South Africa; Drake Coll. (USNM).

DISTRIBUTION: South Africa (Transvaal); Malagasy Republic.

HOST PLANT: Unrecorded.

***Bako lebruni** Schouteden

Bako lebruni Schouteden 1923, p. 91 [Congo].—Drake 1954f, p. 8; 1956e, p. 64.—Drake and Ruhoff 1962a, p. 156.

Galeotingis usumburana Drake 1947b, p. 2, fig. 1.

Bako usumburana: Drake 1954f, p. 8; 1956e, p. 64.

TYPE: Sex unknown; Kwamouth, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Bako malayanus** (Drake)

Galeotingis malayana Drake 1947b, p. 2 [Malaya].

Bako malayanus: Drake 1954f, p. 8; 1956e, p. 64.—Drake and Mohanasundaram 1961, p. 113 [India; *Panicum repens*; *Cynodon dactylon*; *Cenchrus glaucus*; *Oriza sativa*].

TYPE: Holotype ♂, macropterous; Parit Butan, Malay Peninsula; Drake Coll. (USNM).

DISTRIBUTION: Federation of Malaya; Philippine Islands (Luzon); India.

HOST PLANTS: *Cenchrus glaucus*; *Cynodon dactylon*; *Oryza sativa*; *Panicum repens*.

Genus BANAHAONA Drake and Ruhoff

Banahaona Drake and Ruhoff 1961b, p. 170.

TYPE SPECIES: *Banahaona exalla* Drake and Ruhoff.

***Banahaona exalla** Drake and Ruhoff

Banahaona exalla Drake and Ruhoff 1961b, p. 171, figs. 16 a, b [Luzon].

TYPE: Holotype ♂, macropterous; Mount Banahao, Luzon, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Luzon).

HOST PLANT: Unrecorded.

Genus BELENUS Distant

Belenus Distant 1909a, p. 116; 1910a, p. 115.—Horváth 1910, p. 62.—

Drake 1957c, pp. 31–35.—Drake and Ruhoff 1960a, p. 39.

TYPE SPECIES: *Monanthia dentatus* Fieber.

***Belenus adocetus** Drake

Belenus adocetus Drake 1957c, p. 32 [Uganda].

TYPE: Holotype ♂, macropterous; Jinja, Uganda; Drake Coll. (USNM).

DISTRIBUTION: Uganda.

HOST PLANT: Unrecorded.

Belenus angulatus Distant

Belenus angulatus Distant 1909a, p. 116 [Burma]; 1910a, p. 116, fig. 59.

TYPE: Sex unknown; Burma; British Mus.

DISTRIBUTION: Burma.

HOST PLANT: Unrecorded.

***Belenus bengalensis** Distant

Belenus bengalensis Distant 1909a, p. 117 [India]; 1910a, p. 117.

TYPE: Sex unknown; India; British Mus.

DISTRIBUTION: India; Thailand.

HOST PLANT: Unrecorded.

***Belenus dentatus** (Fieber)

Monanthia (Phyllontocheila) dentata Fieber 1844, p. 71, pl. 6, figs. 2-4 [Ostindien].—Herrich-Schaeffer 1850, p. 155.

Phyllontochila dentata: Stål 1873, p. 128 [India orientalis].—Distant 1903b, p. 136.

Belenus dentatus: Distant 1909a, p. 116 [India; Borneo]; 1910a, p. 116, fig. 58.—Horváth 1912c, p. 342 [Java].—Esaki 1926, p. 163.—Drake 1923a, p. 104 [Taiwan]; 1937a, p. 387 [Thailand; Viet-Nam; Sumatra]; 1957c, p. 32.—Drake and Poor 1936b, p. 147 [Malaya]; 1937a, p. 15 [Luzon]; 1937b, p. 402.—Blöte 1945, p. 86.—Takeya 1951a, p. 15.

TYPE: "Ostindien"; sex and deposition of type unknown.

DISTRIBUTION: India; Thailand; Viet-Nam; Federation of Malaya; Taiwan; Greater Sunda Islands (Borneo; Java; Sumatra); Philippine Islands (Luzon; Mindanao); Marianas Islands (Guam).

HOST PLANT: Unrecorded.

NOTE: Taken at light.

***Belenus laplumei** (Schouteden)

Phyllontocheila laplumei Schouteden 1916a, p. 271 [Congo]; 1916b, p. 292.

Belenus laplumei: Drake 1957c, p. 32.

TYPE: Sex unknown; Api, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo; Sierra Leone; Central African Republic.

HOST PLANT: Unrecorded.

***Belenus thomasi** Drake

Belenus thomasi Drake 1957c, p. 33 [Kenya].

TYPE: Holotype ♂, macropterous; Limuru, Kenya Colony; Drake Coll. (USNM).

DISTRIBUTION: Kenya.

HOST PLANT: Unrecorded.

Genus BEROTINGIS Drake

Berotingis Drake 1956d, pp. 106, 113.—Drake and Ruhoff 1960a, p. 40.

TYPE SPECIES: *Berotingis rugiana* Drake.

***Berotingis guamensis** (Drake)

Tingis (*Tingis*) *guamensis* Drake 1941a, p. 142 [Guam].

Tingis guamensis: Usinger 1946a, p. 39 [*Premna gaudichaudii*].

Berotingis guamensis: Drake 1956d, pp. 106, 115.

TYPE: Holotype ♀, macropterous; Guam; USNM.

DISTRIBUTION: Marianas Islands (Guam).

HOST PLANT: *Premna gaudichaudii*.

***Berotingis rugiana** Drake

Berotingis rugiana Drake 1956d, pp. 106, 113, fig. 7b [Rota].

TYPE: Holotype ♂, macropterous; Rugi, Rota, Marianas Islands; USNM.

DISTRIBUTION: Marianas Islands (Rota; Guam).

HOST PLANT: Unrecorded.

***Berotingis yapensis** (Drake)

Eteoneus yapensis Drake 1946, p. 27 [Yap; *Premna gaudichaudii*].—Takeya 1951a, p. 18.

Berotingis yapensis: Drake 1956d, pp. 106, 113, fig. 7a.

TYPE: Holotype ♂; Dogor-Kanif-Rul, Yap; Kyushu Univ.

DISTRIBUTION: Caroline Islands (Yap).

HOST PLANT: *Premna gaudichaudii*.

Genus BIRABENA Drake and Hurd

Birabena Drake and Hurd 1945b, p. 127.—Drake and Ruhoff 1960a, p. 40.

TYPE SPECIES: *Birabena birabeni* Drake and Hurd.

***Birabena angusta** (Drake and Hambleton)

Atheas angusta Drake and Hambleton 1940, p. 535 [Brazil].—Monte 1941e, p. 80.

Birabena angusta: Drake and Hurd 1945b, p. 128.

TYPE: Holotype ♀, macropterous; S. José dos Campos, São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Birabena birabeni** Drake and Hurd

Birabena birabeni Drake and Hurd 1945b, p. 127, fig. 1 [Argentina].—Kormilev 1955a, p. 64.

TYPE: Holotype ♀, macropterous; Puna, S. del Estero, Argentina; La Plata Mus.

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

Birabena carvalhoi Monte

Birabena carvalhoi Monte 1947b, p. 429 [Brazil].

TYPE: Holotype ♂; Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Birabena elongata** (Drake)

Atheas elongata Drake 1922c, p. 367, pl. 39, fig. 1 [Brazil].—Monte 1941c, p. 80; 1942a, p. 97.

Birabena elongata: Drake and Hurd 1945b, p. 128.

TYPE: Sex unknown; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

Genus BUNIA Schouteden

Bunia Schouteden 1955b, p. 167.—Drake and Ruhoff 1960a, p. 41.

TYPE SPECIES: *Bunia ituriensis* Schouteden.

Bunia ituriensis Schouteden

Bunia ituriensis Schouteden 1955b, p. 167 [Congo].

TYPE: Sex unknown; Bunia, Ituri, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

Genus BUNOTINGIS Drake

Bunotingis Drake 1948e, p. 152.—Drake and Ruhoff 1960a, p. 41.

TYPE SPECIES: *Cysteochila (Parada) camelinus* Hacker.

***Bunotingis camelina** (Hacker)

Cysteochila (Parada) camelinus Hacker 1927, p. 24, pl. 8, fig. 10 [New South Wales].

Bunotingis camelina: Drake 1948e, p. 152.

TYPE: Sex unknown; Toooloom, New South Wales, Australia; Queensland Mus.

DISTRIBUTION: Australia (New South Wales; Queensland).

HOST PLANT: Unrecorded.

Genus CALLITHRINCUS Horváth

Callithrincus Horváth 1925a, p. 10.—Drake and Ruhoff 1960a, p. 42.

TYPE SPECIES: *Callithrincus serratus* Horváth.

***Callithrincus serratus** Horváth

Callithrincus serratus Horváth 1925a, p. 10, fig. 6 [Queensland].—Hacker 1928, p. 181.—Drake 1942b, p. 361.

TYPE: Holotype ♀; Mt. Tambourine, Queensland, Australia; Stockholm Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

****Callithrinicus signatus* Drake**

Callithrinicus signatus Drake 1942b, p. 361 [Queensland].

TYPE: Holotype ♂, macropterous; Mount Glorious, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

Genus CALOLOMA Drake and Bruner

Caloloma Drake and Bruner 1924a, p. 152.—Drake 1945, p. 98.—Hurd 1946, p. 472.—Drake and Ruhoff 1960a, p. 42.

TYPE SPECIES: *Caloloma uhleri* Drake and Bruner.

****Caloloma uhleri* Drake and Bruner**

Caloloma uhleri Drake and Bruner 1924a, p. 153 [Antigua].—Drake 1945, p. 98 [Australia]; 1961b, p. 112.—Drake and Ruhoff 1961b, p. 183, fig. 24.

TYPE: Holotype ♀, macropterous; San Juan, Antigua, Lesser Antilles; USNM.

DISTRIBUTION: Leeward Islands (Antigua); Windward Islands (St. Vincent); Australia (Queensland; New South Wales; South Australia).

HOST PLANT: Unrecorded.

NOTE: Australian indigene. Contrary to previous statements in the literature, this species now appears to be permanently established in the West Indies.

Genus CALOTINGIS Drake

Calotingis Drake 1918d, p. 86.—Hacker 1929, p. 334.—Hurd 1946, p. 454.—Drake and Ruhoff 1960a, p. 42.

Neopachycysta Hacker 1928, p. 183.—Drake and Ruhoff 1960a, p. 70.

TYPE SPECIES: *Calotingis knighti* Drake.

****Calotingis knighti* Drake**

Calotingis knighti Drake 1918d, p. 87 [Tex.; *Malvaviscus drummondii*].—Van Duzee 1923, p. 141 [Mexico].—Drake and Davis 1960, fig. 68.

TYPE: Holotype ♂, macropterous; Helotes, Texas, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Tex.); Mexico.

HOST PLANT: *Malvaviscus drummondii*.

***Calotingis subopaca* (Hacker)**

Neopachycysta subopaca Hacker 1928, p. 184, pl. 22, figs. 11, 12 [Queensland].

Calotingis subopaca: Hacker 1929, p. 334.

TYPE: Sex unknown; Maleny, Queensland, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

Genus CAMPYLOSTEIRA Fieber

Campylostira Fieber 1844, p. 42.—Horváth 1906a, pp. 13, 15 (key).—Mužik 1907, pp. 49, 51 (key).—Jensen-Haarup 1912, p. 150.—Stichel 1926, pp. 103, 105 (key); 1960a, p. 269 (key); 1960b, p. 390; 1960c, p. 129.—Gulde 1938, pp. 242, 245 (key).—China 1943, p. 245.—Kiritshenko 1951, pp. 240, 243 (key).—Drake and Ruhoff 1960a, p. 43.

Campylostira [sic]: Fieber 1861, p. 131.—Douglas and Scott 1865, p. 257.—Stål 1874, p. 52.—Puton 1887, p. 100 (key).—Horváth 1892, p. 309.—Lethierry and Severin 1896, p. 9.—Oshanin 1908, p. 402; 1912, p. 42.—Stichel 1935, p. 348; 1938a, p. 404.

TYPE SPECIES: *Campylostira falleni* Fieber.

***Campylostira bosnica* Horváth**

Campylostira bosnica Horváth 1892a, pp. 309, 311 [Yugoslavia].

Campylostira bosnica: Horváth 1906a, pp. 15, 19.—Stichel 1926, p. 105; 1960a, p. 269.

TYPE: Sex unknown; Bosnia; Hungarian Mus.

DISTRIBUTION: Yugoslavia.

HOST PLANT: Unrecorded.

***Campylostira bosnica* var. *diluta* Horváth**

Campylostira bosnica var. *diluta* Horváth 1892a, pp. 309, 312 [Yugoslavia].

Campylostira bosnica var. *diluta*: Horváth 1906a, p. 19.—Stichel 1960a, p. 269.

TYPE: Sex unknown; Bosnia; Hungarian Mus.

DISTRIBUTION: Yugoslavia.

HOST PLANT: Unrecorded.

***Campylostira ciliata* Fieber**

Campylostira ciliata Fieber 1844, p. 44, pl. 3, figs. 33–37 [Czechoslovakia].—Herrich-Schaeffer 1850, p. 160.—Horváth 1906a, p. 23.—Stichel 1926, p. 106; 1960a, p. 273, fig. 38a.—Hoberlandt 1943b, p. 120.

Campylostira ciliata: Fieber 1861, p. 132 [moss].—Puton 1887, p. 100.—Horváth 1892a, pp. 309, 311.—Hüeber 1893, p. 300.

Monanthia ciliata: Walker 1873a, p. 190.

TYPE: Prague, Czechoslovakia; sex and deposition of type unknown.

DISTRIBUTION: Czechoslovakia.

HOST PLANT: Moss.

***Campylostira dispar* Horváth**

Campylostira dispar Horváth 1905b, p. 558 [Algeria; Tunisia]; 1906a, p. 22.—Hoberlandt 1955, p. 86 [Turkey].

TYPE: Unknown.

DISTRIBUTION: Algeria; Tunisia; Turkey.

HOST PLANT: Unrecorded.

***Campylosteira eximia** Horváth

Campylostira eximia Horváth 1892a, pp. 311, 313 [Turkestan].

Campylosteira eximia: Horváth 1906a, p. 22.

TYPE: Holotype ♀; Taschkent, Turkestan, Russia; Hungarian Mus.

DISTRIBUTION: U.S.S.R. (Turkestan).

HOST PLANT: Unrecorded.

***Campylosteira falleni** Fieber

Campylosteira falleni Fieber 1844, p. 43, pl. 3, figs. 23–26 [Czechoslovakia].—Horváth 1906a, p. 20.—Stichel 1926, p. 105; 1960a, p. 270, fig. 34a.—Kiritshenko 1951, p. 243 [Russia].

Campylosteira fallenii [sic]: Herrich-Schaeffer 1850, p. 160.

Campylostira falleni: Fieber 1861, p. 132 [moss].—Puton 1879c, p. 93.—Lethierry and Severin 1896, p. 9 [Hungary; Yugoslavia; Rumania; Caucasus].—Blöte 1945, p. 82.

Monanthia falleni: Walker 1873a, p. 190.

Campylostira fallenii [sic]: Hüeber 1893, p. 302.

TYPE: Sex unknown; Prague, Czechoslovakia; Vienna Mus.

DISTRIBUTION: Czechoslovakia; Hungary; Yugoslavia; Rumania; U.S.S.R. (Caucasus).

HOST PLANT: Moss.

Campylosteira horvathi Drake

Campylosteira horvathi Drake 1951, p. 171 [Tanganyika].

TYPE: Holotype ♂, brachypterous; Arusha-Chini, Africa orientalis; Hungarian Mus.

DISTRIBUTION: Tanganyika.

HOST PLANT: Unrecorded.

Campylosteira libanotica Horváth

Campylosteira libanotica Horváth 1906a, p. 21 [Lebanon].

TYPE: Sex unknown; Lebanon; Hungarian Mus.

DISTRIBUTION: Lebanon.

HOST PLANT: Unrecorded.

Campylosteira moroccana Puton

Campylostira moroccana Puton 1887, p. 100 [Morocco].

Campylostira maroccana [sic]: Horváth 1892a, p. 310.

Campylosteira maroccana [sic]: Horváth 1906a, p. 20 [Mauritania].

TYPE: Sex unknown; Morocco; Paris Mus.

DISTRIBUTION: Morocco; Mauritania.

HOST PLANT: Unrecorded.

***Campylosteira orientalis** Horváth

Campylostira orientalis Horváth 1881a, p. 223 [Hungary; Caucasus; Yugoslavia].—Oshanin 1912, p. 42 [Austria; Crimea].—Stichel 1938a, p. 404 [Turkey; Albania].

Campylostira falleni var. *orientalis*: Horváth 1892a, p. 310 [Rumania; Transcaucasus].

Campylosteira orientalis: Horváth 1906a, p. 20.—Kiritshenko 1951, p. 243.—Stichel 1960a, p. 270.

TYPE: Unknown.

DISTRIBUTION: Hungary; Austria; Yugoslavia; Albania; Turkey; Rumania; U.S.S.R. (Caucasus; Transcaucasus; Crimea).

HOST PLANT: Unrecorded.

**Campylosteira orientalis* var. *miridita* Horváth

Campylosteira falleni var. *miridita* Horváth 1905b, p. 558 [Albania].

Campylosteira orientalis var. *miridita*: Horváth 1906a, p. 20.—Mancini 1953b, p. 185.—Stichel 1960a, p. 270.

Campylostira orientalis var. *miridita*: Horváth 1916, p. 9.

TYPE: Sex unknown; Velipoja, Albania; Hungarian Mus.

DISTRIBUTION: Albania.

HOST PLANT: Unrecorded.

Campylosteira orientalis var. *suspecta* Horváth

Campylostira falleni (not Fieber): Horváth 1892a, p. 310.

Campylostira falleni var. *suspecta* Horváth 1892a, pp. 310, 312 [Rumania].

Campylosteira orientalis var. *suspecta*: Horváth 1906a, p. 20 [Hungary].—Stichel 1960a, p. 271.

TYPE: Sex unknown; Rumania; Hungarian Mus.

DISTRIBUTION: Rumania; Hungary.

HOST PLANT: Unrecorded.

Campylosteira parvula Ferrari

Campylostira parvula Ferrari 1874, p. 172 [Iran].—Horváth 1892a, p. 310.

Serenthia parvula: Lethierry and Severin 1896, p. 5.

Campylosteira parvula: Horváth 1906a, p. 23.

TYPE: Sex unknown; Persia; Genova Mus.

DISTRIBUTION: Iran.

HOST PLANT: Unrecorded.

**Campylosteira perithrix* Puton

Campylostira perithrix Puton 1887, p. 99 [Algeria].—Horváth 1892a, p. 309.

Serenthia perithrix: Lethierry and Severin 1896, p. 5.

Campylosteira perithrix: Horváth 1906a, p. 23.

TYPE: Sex unknown; Algeria; Paris Mus.

DISTRIBUTION: Algeria; Tunisia.

HOST PLANT: Unrecorded.

Campylosteira perithrix var. **cognata** Horváth

Campylosteira cognata Horváth 1905b, p. 559 [Algeria].

Campylosteira perithrix var. *cognata*: Horváth 1906a, p. 23.

TYPE: Sex unknown; St. Charles, Algeria; Hungarian Mus.

DISTRIBUTION: Algeria.

HOST PLANT: Unrecorded.

***Campylosteira pilicornis** Horváth

Campylosteira pilicornis Horváth 1906a, p. 19 [Israel].

TYPE: Sex unknown; Jerusalem, Syria; Hungarian Mus.

DISTRIBUTION: Israel.

HOST PLANT: Unrecorded.

***Campylosteira pilifera** Reuter

Campylostira pilifera Reuter 1880a, p. 12 [Greece]; 1891a, p. 25.—Puton 1887, p. 100.—Horváth 1892a, pp. 309, 311.

Serentia pilifera: Lethierry and Severin 1896, p. 5.

Campylosteira pilifera: Reuter 1902, p. 151.—Horváth 1906a, p. 23.—Stichel 1960a, p. 272.

TYPE: Sex unknown; Olympus, Greece; Helsin. Mus.

DISTRIBUTION: Greece.

HOST PLANT: Unrecorded.

Campylosteira pilifera var. **diminuta** Horváth

Campylosteira pilifera var. *diminuta* Horváth 1905b, p. 561 [Greece]; 1906a, p. 23.—Stichel 1960a, p. 272.

TYPE: Sex unknown; Attica, Greece; Hungarian Mus.

DISTRIBUTION: Greece.

HOST PLANT: Unrecorded.

***Campylosteira pilifera** var. **humilis** Horváth

Campylosteira pilifera var. *humilis* Horváth 1905b, p. 560 [Greece]; 1906a, p. 23.—Stichel 1960a, p. 272.

TYPE: Holotype ♀; Greece; Hungarian Mus.

DISTRIBUTION: Greece.

HOST PLANT: Unrecorded.

***Campylosteira rotundata** Takeya

Campyrostira [sic] *rotundata* Takeya 1933, p. 34, pl. 3, fig. 2, text fig. 2 [Japan].

Campylostira rotundata: Takeya 1951a, p. 6.—Esaki 1954, p. 235, fig. 607.

TYPE: Holotype ♀; Kyoto, Honshu, Japan; Kyushu Univ.

DISTRIBUTION: Japan; China (Hunan).

HOST PLANT: Unrecorded.

Campylosteira serena Horváth

Campylosteira serena Horváth 1902a, p. 593 [Spain]; 1906a, p. 22.—Gomez-Menor 1955b, p. 249.—Stichel 1960a, p. 272 [Sardinia].

TYPE: Holotype ♀; Ciudad Real, Spain; Hungarian Mus.

DISTRIBUTION: Spain; Sardinia.

HOST PLANT: Unrecorded.

Campylosteira sinuata Fieber

Campylostira sinuata Fieber 1861, p. 132 [Germany].—Puton 1879c, p. 93.—Horváth 1892a, p. 311 [Transcaucasus].—Hüeber 1893, p. 303.—Börner 1935, p. 75.

Campylosteira sinuata: Horváth 1906a, p. 22, pl. 1, fig. 3.—Stichel 1926, p. 106, fig. 294; 1960a, p. 272.—Kiritshenko 1951, p. 243.

Monanthia sinuata: Walker 1873a, p. 190.

Serentia sinuata: Lethierry and Severin 1896, p. 5.

TYPE: Sex unknown; Germany; Vienna Mus.

DISTRIBUTION: Germany; U.S.S.R. (Transcaucasus).

HOST PLANT: Unrecorded.

Campylosteira sororcula Horváth

Campylosteira sororcula Horváth 1905b, p. 560 [Algeria]; 1906a, p. 23.

TYPE: Holotype ♂; St. Charles, Algeria; Hungarian Mus.

DISTRIBUTION: Algeria.

HOST PLANT: Unrecorded.

***Campylosteira verna** (Fallén)

Tingis verna Fallén 1826, p. 16 [Sweden]; 1829, p. 147.

Monanthia verna: Herrich-Schaeffer 1838, pp. 53, 64, pl. 127, fig. 398 [Germany; Czechoslovakia].

Campylosteira brachycera Fieber 1844, p. 43, pl. 3, figs. 27–32 [moss].—Herrich-Schaeffer 1850, p. 160.—Mayr 1858, p. 569 [Austria; Hungary].

Campylosteira verna: Fieber 1844, p. 45, pl. 3, fig. 38.—Kolenati 1856, p. 429 [Transcaucasus; *Onosma echioides*].—Reuter 1874, p. 565.—Horváth 1898b, p. 279; 1906a, pp. 17, 21, pl. 1, fig. 2 [Denmark; Belgium; Italy; Rumania].—Jensen-Haarup 1912, p. 150, fig. 94.—Reichensperger 1920, p. 61.—Butler 1923, p. 200.—Stichel 1926, p. 106, fig. 293; 1960a, p. 271, fig. 36 [Poland; Albania].—Gulde 1938, p. 247, fig.—Hoberlandt 1942, p. 124; 1943b, p. 122.—Kiritshenko 1951, p. 243.—Bator 1953, p. 323, pl. 4, fig. 2.—Mancini 1953c, p. 22.—Štušák 1958, p. 367, figs. 8–11.—Southwood and Leston 1959, p. 141, pl. 18, fig. 2, pl. 21, fig. 1.

Campylostira brachycera: Fieber 1861, p. 132.—Douglas and Scott 1865, p. 259.—Frey-Gessner 1865, p. 233 [Switzerland].—Horváth 1874b, p. 432.—Saunders 1875, p. 246.

Campylostira verna: Fieber 1861, p. 132.—Douglas and Scott 1865, p. 258.—Reiber and Puton 1876, p. 67 [France].—Vollenhoven 1878, p. 282, pl. 10, fig. 3 [Netherlands].—Puton 1879c, p. 92.—Jakovlev 1880b, p. 100 [Caucasus].—Reuter 1882b, p. 113.—Saun-

ders 1892, p. 124, pl. 11, fig. 6.—Horváth 1892a, p. 310.—Hüeber 1893, p. 300.—Oshanin 1908, p. 403 [Spain].—Schumacher 1914, p. 256.—Scholte 1935, p. 29, fig. 4.—Börner 1935, p. 75.—Blöte 1945, p. 82 [Greece].—Novak and Wagner 1951, p. 70 [Yugoslavia].

Serenthia verna: Lethierry and Severin 1896, p. 6.

TYPE: Sex unknown; Sweden; Lund Zool. Inst.

DISTRIBUTION: England; Belgium; Netherlands; France; Spain; Italy; Switzerland; Germany; Denmark; Sweden; Poland; Austria; Czechoslovakia; Hungary; Yugoslavia; Albania; Rumania; Greece; U.S.S.R. (Caucasus; Transcaucasus).

HOST PLANTS: *Onosma echioides*; moss.

NOTE: Eggs [Štušák].

Campylosteira verna var. latipennis Horváth

Campylostira verna var. *latipennis* Horváth 1892a, pp. 310, 312 [Rumania; Hungary].

Campylosteira verna var. *latipennis*: Horváth 1906a, p. 22 [Yugoslavia; Germany; France].—Mužik 1907, p. 52 [Czechoslovakia].

Serenthia verna var. *latipennis*: Lethierry and Severin 1896, p. 6.

TYPE: Unknown.

DISTRIBUTION: France; Germany; Czechoslovakia; Hungary; Yugoslavia; Rumania.

HOST PLANT: Unrecorded.

Genus CAMPYLOTINGIS Drake and Bondar

Campylotingis Drake and Bondar 1932, p. 89.—Monte 1939b, p. 66; 1941e, p. 81.—Drake and Ruhoff 1960a, p. 43.

TYPE SPECIES: *Tigava mollicula* Drake.

***Campylotingis bondari** (Drake)

Tigava bondari Drake 1930b, p. 25 [Brazil]; 1931a, p. 405.

Campylotingis bondari: Drake and Bondar 1932, p. 89.—Costa Lima 1936, p. 125.—Monte 1941e, p. 82 [*Machaerium*].—Silva 1956, p. 19, fig. 4 [*Canavalia ensiformis*; *Dolichos lablab*; *Phaseolus lunatus*; *Phaseolus vulgaris*; *Vigna sinensis*].

TYPE: Holotype ♂, macropterous; Bahia, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANTS: *Canavalia ensiformis*; *Dolichos lablab*; *Machaerium* sp.; *Phaseolus lunatus*; *Phaseolus vulgaris*; *Vigna sinensis*.

***Campylotingis carvalhoi** Drake and Hambleton

Campylotingis carvalhoi Drake and Hambleton 1938a, p. 47 [Brazil; Papilionaceae].—Monte 1941e, p. 82 [*Ferreirea spectabilis*].

TYPE: Holotype ♂, macropterous; Curvello, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANTS: *Ferreirea spectabilis*; Papilionaceae.

***Campylotingis clara** Drake and Hambleton

Campylotingis clara Drake and Hambleton 1942b, p. 77 [Brazil].

TYPE: Holotype ♂, macropterous; Belo Horizonte, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Campylotingis clavata** Drake and Hambleton

Campylotingis clavata Drake and Hambleton 1939, p. 156 [Brazil].—
Monte 1941e, p. 82 [*Myrocarpus fastigiatus*].

TYPE: Holotype ♂, macropterous; Belo Horizonte, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Myrocarpus fastigiatus*.

***Campylotingis genetica** Drake and Hambleton

Campylotingis genetica Drake and Hambleton 1942b, p. 78 [Brazil].

TYPE: Holotype ♂, macropterous; Viçosa, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Campylotingis integra** Drake and Hambleton

Campylotingis integra Drake and Hambleton 1942b, p. 79 [Brazil].

TYPE: Holotype ♂, macropterous; Belo Horizonte, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Campylotingis jansonii** (Drake)

Tigava jansonii Drake 1922c, p. 364, pl. 39, fig. 8 [Brazil].

Campylotingis jansonii: Drake and Bondar 1932, p. 89.—Drake and
Hambleton 1938a, p. 46 [*Machaerium*].

TYPE: Holotype ♂; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil.

HOST PLANT: *Machaerium* sp.

***Campylotingis lenatis** Drake

Campylotingis [sic] *lenatis* Drake 1935, p. 14 [Paraguay].

Campylotingis lenatis: Drake and Hambleton 1938a, p. 46 [Brazil;
Machaerium].—Monte 1940e, p. 290, fig. 3.

TYPE: Holotype ♂; S. Bernadino, Paraguay; Vienna Mus.

DISTRIBUTION: Paraguay; Brazil.

HOST PLANT: *Machaerium* sp.

***Campylotingis levis** Drake and Hambleton

Campylotingis levis Drake and Hambleton 1942b, p. 80 [Brazil].

TYPE: Holotype ♂, macropterous; São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Campylotingis machaerii** Drake and Hambleton

Campylotingis [sic] *machaerii* Drake and Hambleton 1934, p. 442 [Brazil; Argentina; *Machaerium*].—Drake 1936b, p. 700.

Campylotingis machaerii: Costa Lima 1936, p. 125.—Bosq 1937, p. 128.—Monte 1939b, p. 66 [*Ferreirea spectabilis*]; 1940b, p. 375.

Campylotingis snipesi Drake and Hambleton 1944b, p. 125.

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil; Argentina.

HOST PLANTS: *Ferreirea spectabilis*; *Machaerium* sp.

***Campylotingis mollicula** (Drake)

Tigava mollicula Drake 1922c, p. 365 [Brazil].

Campylotingis mollicula: Drake and Bondar 1932, p. 89.

TYPE: Holotype ♀; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Campylotingis mollis** Drake and Bondar

Campylotingis mollis Drake and Bondar 1932, p. 90 [Brazil; *Cassia*].—Costa Lima 1936, p. 125.—Silva 1956, p. 21.

TYPE: Holotype ♂, macropterous; Bahia, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Cassia* sp.

***Campylotingis prudens** Drake and Hambleton

Campylotingis prudens Drake and Hambleton 1938a, p. 47 [Brazil; *Machaerium*].—Monte 1939b, p. 66 [*Machaerium villosum*]; 1940c, p. 290, fig. 4.

TYPE: Holotype ♂, macropterous; São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil; Argentina.

HOST PLANTS: *Machaerium villosum*; *Machaerium* sp.

***Campylotingis tantilla** Drake

Campylotingis [sic] *tantilla* Drake 1935, p. 14, fig. 2 [Paraguay].

Campylotingis tantilla: Drake and Hambleton 1938a, p. 46 [Brazil; *Machaerium*].

TYPE: Holotype ♂; S. Bernardino, Paraguay; Vienna Mus.

DISTRIBUTION: Paraguay; Brazil.

HOST PLANT: *Machaerium* sp.

Genus CANTINONA Distant

Cantinona Distant 1913, p. 158.—Drake and Ruhoff 1960a, p. 43.

TYPE SPECIES: *Cantinona praecellens* Distant.

Cantinona praecellens Distant

Cantinona praecellens Distant 1913, p. 159, pl. 11, fig. 15 [Seychelles].—

Drake and Ruhoff 1961b, p. 168, fig. 14.

TYPE: Sex unknown; Seychelles; British Mus.

DISTRIBUTION: Seychelles Island.

HOST PLANT: Unrecorded.

Genus CATOPLATUS Spinola

Catoplatus Spinola 1837, p. 137.—Stål 1873, pp. 121, 128; 1874, p. 57.—

Lethierry and Severin 1896, p. 20.—Horváth 1906a, pp. 14, 85

(key).—Oshanin 1908, p. 442; 1912, p. 45.—Kiritshenko 1918, p.

109; 1951, pp. 242, 251 (key).—Stichel 1926, pp. 104, 113 (key);

1935, p. 349; 1938a, p. 408; 1960a, p. 323 (key); 1960b, p. 398;

1960c, p. 137.—Börner 1935, pp. 74, 77 (key).—Gulde 1938, pp. 244,

300 (key).—Hoberlandt 1942, p. 125; 1943, p. 119; 1955, p. 92.—

China 1943, p. 247.—Blöte 1945, p. 88.—Singer 1952, p. 53.—Drake

and Ruhoff 1960a, p. 43.

Catoplatus (Coscinopoea) Stål 1873, p. 128; 1874, p. 58.—Drake and Ruhoff 1960a, p. 48.

Monanthia (Catoplatus): Puton 1879c, p. 117.—Saunders 1892, p. 134.

TYPE SPECIES: *Tingis fabricii* Stål.

***Catoplatus anticus** (Reuter)

Monanthia (Catoplatus) antica Reuter 1880, p. 11 [Greece].

Catoplatus anticus: Lethierry and Severin 1896, p. 20.—Horváth 1906a,

p. 88 [Turkey]; 1916, p. 9 [Albania]; 1918, p. 334.—Kiritshenko

1951, p. 251 [Russia].—Mancini 1953b, p. 186.—Hoberlandt 1955,

p. 92 [Israel].—Stichel 1960a, p. 324.

TYPE: Sex unknown; Greece; Helsin. Mus.

DISTRIBUTION: Albania; Greece; Turkey; Israel; U.S.S.R.

HOST PLANT: Unrecorded.

Catoplatus anticus var. **syriacus** Horváth

Catoplatus anticus var. *syriacus* Horváth 1906a, p. 88 [Israel].—Hoberlandt 1955, p. 92 [Turkey; Russia].

TYPE: Sex unknown; Syria; Hungarian Mus.

DISTRIBUTION: Israel; Turkey; U.S.S.R. (Crimea).

HOST PLANT: Unrecorded.

Catoplatus bletoni Vidal

Catoplatus bletoni Vidal 1937, p. 197, fig. 2 [Morocco].

TYPE: Sex unknown; Morocco; Vidal Coll.

DISTRIBUTION: Morocco.

HOST PLANT: Unrecorded.

**Catoplatus carthusianus* (Goeze)

Cimex carthusianus Goeze 1778, p. 268.—Fourcroy 1785, p. 212 [*Eryngium*].

Tingis eryngii Latrielle 1804, p. 253.—Vallot 1829, pp. 99, 113 [*Eryngium campestre*].

Tingis melanocephala Panzer 1806, heft 100, tab. 21 [Germany].—Herrich-Schaeffer 1835, p. 58.

Monanthia melanocephala: Le Peletier and Serville 1828, p. 653.—Herrich-Schaeffer 1838, p. 54 [Hungary; Czechoslovakia].—Mayr 1858, p. 570 [Caucasus; Austria].

Pisma melanocephalum: Burmeister 1835, p. 258 [Portugal].

Dictyonota eryngii: Westwood 1840b, p. 121 [England].

Monanthia (Tropidocheila) melanocephala: Herrich-Schaeffer 1850, p. 151.

Monanthia albida (not Herrich-Schaeffer): Fieber 1861, p. 124 [*Seseli glaucum*].

Monanthia nigripes Motschulsky 1863, p. 91 [Algeria].—Kiritshenko 1915, p. 300.

Monanthia eryngii: Garbiglietti 1869, p. 273 [Italy].—Jakovlev 1880b, p. 109 [*Onopordon*].—Chicote 1880, p. 189 [Spain].—Hüeber 1893, p. 343.

Catoplatus (Coscinopoea) eryngii: Stål 1873, p. 128; 1874a, p. 58.

Catoplatus (Coscinopoea) albidus: Stål 1874, p. 58.

Monanthia (Catoplatus) eryngii: Puton 1879c, p. 117 [France; *Eryngium maritimum*].

Catoplatus carthusianus: Reuter 1891a, p. 26 [Greece].—Lambertie 1906, p. 25.—Horváth 1906a, pp. 86, 89 [Turkey].—Oshanin 1908, p. 443 [Morocco; Rumania; Iran].—Moroder Sala 1920, p. 12.—Reichensperger 1920, p. 62.—de Seabra 1924, p. 16, fig. 28; 1931, p. 429, figs. 500 (2-4), 501.—Stichel 1926, p. 113; 1960a, p. 324, fig. 127 [Sardinia; Bulgaria].—Lindberg 1932a, p. 43.—Scholte 1935, p. 77, fig. 20 [Netherlands].—Hoberlandt 1942, p. 125; 1955, p. 92 [Transcaucasus].—Kiritshenko 1951, p. 251.—Novak and Wagner 1951, p. 71 [Yugoslavia; *Eryngium amethystinum*].—Mancini 1953b, p. 186 [Albania]; 1953c, p. 22.—Seidenstücker 1954, p. 236.—Gomez-Menor 1955b, p. 249.—Štušák 1957a, p. 21, figs. 4, 5; 1957b, p. 136, fig. 4; 1959a, p. 52, figs. 1-8.

Catoplatus melanocephalus: Lethierry and Severin 1896, p. 20.

Cantacader nigripes: Oshanin 1908, p. 401.—Drake 1950a, p. 164.

TYPE: Unknown.

DISTRIBUTION: England; France; Netherlands; Spain; Portugal; Italy; Sardinia; Austria; Czechoslovakia; Germany; Albania; Hungary; Yugoslavia; Bulgaria; Greece; Rumania; Turkey; Iran; U.S.S.R. (Caucasus; Transcaucasus); Algeria; Morocco.

HOST PLANTS: *Eryngium amethystinum*; *Eryngium campestre*; *Eryngium maritimum*; *Eryngium* sp.; *Onopordon* sp.; *Seseli glaucum*.

NOTE: Life history study [Štusák 1959a]; eggs [Štusák 1957a]; nymphs and immature stages [Štusák 1957b; 1959a].

***Catoplatus carthusianus** var. **albidus** (Herrich-Schaeffer)

Monanthia albida Herrich-Schaeffer 1838, p. 54, pl. 125, fig. b; pl. 126, fig. 396 [Hungary].—Ferrari 1874, p. 171 [Italy]; 1878, p. 66.—Reiber and Puton 1876, p. 69.—Bolivar and Chicote 1879, p. 166 [Spain].—Jakovlev 1880b, p. 109 [Caucasus].

Monanthia (Tropidocheila) schaefferi Fieber 1844, p. 78, pl. 6, figs. 31–35 [Czechoslovakia; Austria; *Seseli glaucum*].

Monanthia (Tropidocheila) albida: Herrich-Schaeffer 1850, p. 151.

Monanthia schaefferi: Mayr 1858, p. 570 [Lichtenstein; Greece; Yugoslavia; Germany; *Eryngium*].

Catoplatus (Coscinopoea) albida: Stål 1873, p. 128.

Catoplatus dacicus Montandon 1895, p. 160 [Rumania].

Catoplatus carthusianus var. *albidus*: Horváth 1906a, p. 89.—Stichel 1926, p. 114; 1960a, p. 324 [Sardinia].—Novak and Wagner 1951, p. 71.—Kiritshenko 1951, p. 251.—Hoberlandt 1955, p. 92 [Transcaucasus].—Štusák 1959a, p. 52.

TYPE: Unknown.

DISTRIBUTION: Italy; Sardinia; Austria; Germany; Czechoslovakia; Hungary; Yugoslavia; Rumania; Lichtenstein; Spain; Greece; U.S.S.R. (Caucasus; Transcaucasus).

HOST PLANTS: *Seseli glaucum*; *Eryngium* sp.

Catoplatus carthusianus var. **intermedius** Vidal

Catoplatus carthusianus var. *intermedius* Vidal 1937, p. 198 [Morocco].—Stichel 1960a, p. 324.

TYPE: Sex unknown; Oujda, Morocco; Vidal Coll.

DISTRIBUTION: Morocco.

HOST PLANT: Unrecorded.

***Catoplatus citrinus** Horváth

Catoplatus citrinus Horváth 1897a, p. 89 [Turkestan]; 1906a, p. 91.—Kiritshenko 1959, p. 105.

TYPE: Sex unknown; Samarkand, Turkestan; Hungarian Mus.

DISTRIBUTION: U.S.S.R. (Turkestan).

HOST PLANT: Unrecorded.

***Catoplatus crassipes** (Fieber)

Monanthia crassipes Fieber 1861, p. 123 [Yugoslavia].

Catoplatus crassipes: Lethierry and Severin 1896, p. 20.—Horváth 1906a, p. 88, fig. 4.—Stichel 1960a, p. 323.

TYPE: Sex unknown; Serbia; Vienna Mus.

DISTRIBUTION: Yugoslavia.

HOST PLANT: Unrecorded.

**Catoplatus dilatatus* (Jakovlev)

Monanthia (Catoplatus) dilatata Jakovlev 1880a, p. 140 [Caucasus].

Monanthia dilatata: Jakovlev 1880b, p. 109.

Monanthia (Catoplatus) krueperi Reuter 1880a, p. 11 [Turkey].

Catoplatus krueperi: Lethierry and Severin 1896, p. 20.

Catoplatus dilatatus: Lethierry and Severin 1896, p. 20.—Horváth 1906a, p. 87 [Armenia; Syria].—Lindberg 1948a, p. 59 [*Olea*; Cyprus; Tunisia; Greece].—Kiritshenko 1951, p. 251.—Seidenstücker 1954, p. 235.—Hoberlandt 1955, p. 92 [Transcaucasus].—Stichel 1960, p. 323.

TYPE: Sex unknown; Derbent, Caucasus, Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R. (Armenia; Caucasus; Transcaucasus); Turkey; Syria; Cyprus; Greece; Tunisia.

HOST PLANT: *Olea* sp.

Catoplatus dispar Drake and Maa (emendation)

Catoplatus disparis Drake and Maa 1954, p. 114 [China].

TYPE: Holotype ♂; Suisapa, Western Hupeh, China; Cal. Acad.

DISTRIBUTION: China.

HOST PLANT: Unrecorded.

**Catoplatus distinctus* Montandon

Catoplatus distinctus Montandon 1895, p. 160 [Rumania].—Horváth 1906a, p. 91.—Stichel 1938a, p. 408 [Russia]; 1960a, p. 326.—Kiritshenko 1951, p. 251.—Seidenstücker 1954, p. 236 [Turkey].—Hoberlandt 1955, p. 93.

TYPE: Comana, District de Vlașca, Rumania; sex and deposition of type unknown.

DISTRIBUTION: Rumania; Turkey; U.S.S.R.

HOST PLANT: Unrecorded.

**Catoplatus fabricii* (Stål)

Tingis costata (not Fabricius): Fallén 1807, p. 36; 1829, p. 143.—Zetterstedt 1828, p. 480 [Lapland]; 1840, p. 269.—Herrich-Schaeffer 1835, p. 58.—Germar 1836, fasc. 18, tab. 25 [Germany; Sweden].

Catoplatus costatus: Spinola 1837, p. 167.—Stål 1874, p. 58.

Monanthia costata: Herrich-Schaeffer 1838, p. 55, pl. 123, fig. 390.—Fieber 1861, p. 123.—Douglas and Scott 1865, p. 248.—Thomson 1871, p. 398.—Saunders 1875, p. 248.—Vollenhoven 1878, pp. 270, 272, pl. 22, fig. 10 [Netherlands].—Chicote 1880, p. 189 [Spain].—Hüeber 1893, p. 341 [Switzerland].

Monanthia (Tropidocheila) costata: Fieber 1844, p. 72, pl. 6, figs. 10–12 [Italy; Hungary; England].—Sahlberg 1848, p. 132 [Finland].—Herrich-Schaeffer 1850, p. 152.—Flor 1860, p. 347 [France].

Tingis fabricii Stål 1868, p. 93.

Monanthia oblonga Garbiglietti 1869, p. 274.

Catoplatus fabricii: Stål 1873, p. 128.—Reuter 1882b, p. 119.—Horváth 1906a, p. 87 [*Chrysanthemum leucanthemum*].—Muzik 1907, p. 60 [Czechoslovakia].—Oshanin 1908, p. 442 [Belgium; Russia; Rumania; Austria].—Schumacher 1914, p. 258.—Lindberg 1919, p. 42.—Reichensperger 1920, p. 62.—Sahlberg 1920, p. 84.—Stichel 1926, p. 113; 1938a, p. 408 [Norway; Albania]; 1960a, p. 323 [Poland; Bulgaria; Yugoslavia; *Genista tinctoria*].—Scholte 1935, p. 76, fig. 19 [*Medicago lupulina*].—Gulde 1938, p. 302, fig.—Blöte 1945, p. 88 [Tunisia; Algeria; Egypt].—Mancini 1949b, p. 37; 1949c, p. 137; 1954b, p. 11.—Southwood and Leston 1959, p. 150, pl. 19, fig. 4.—Štušák 1961a, p. 84, fig. 9; pl. 1, fig. d.

Monanthia fabricii: Horváth 1874b, p. 432.—Butler 1923, p. 212 [*Hypericum*; *Spartium*].

Monanthia (Catoplatus) costata: Puton 1879c, p. 117 [*Chrysanthemum*].—Saunders 1892, p. 134, pl. 12, fig. 8.

Catoplatus fabrici [sic]: Gomez-Menor 1955b, p. 249.

TYPE: Unknown.

DISTRIBUTION: England; Belgium; Netherlands; France; Spain; Germany; Switzerland; Italy; Hungary; Austria; Czechoslovakia; Rumania; Albania; Yugoslavia; Bulgaria; Poland; Sweden; Norway; Finland; (Lapland); U.S.S.R.; Algeria; Egypt; Tunisia.

HOST PLANTS: *Chrysanthemum leucanthemum*; *Chrysanthemum* sp.; *Genista tinctoria*; *Genista* sp.; *Hypericum* sp.; *Medicago lupulina*; *Spartium* sp.

NOTE: Eggs [Štušák].

**Catoplatus fulvicornis* (Jakovlev)

Monanthia (Catoplatus) fulvicornis Jakovlev 1890, p. 334 [Russia].

Catoplatus fulvicornis: Horváth 1906a, p. 91 [Caucasus; Turkmen; Turkistan; Afghanistan; Turkey].—Hoberlandt 1955a, p. 92 [Transcaucasus].—Stichel 1960a, p. 325.

TYPE: Sex unknown; Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R. (Turkmen; Caucasus; Transcaucasus; Turkistan); Afghanistan; Turkey.

HOST PLANT: Unrecorded.

**Catoplatus hilaris* Horváth

Catoplatus hilaris Horváth 1906a, p. 90 [Israel].—Seidenstücker 1954, p. 236 [Turkey].—Hoberlandt 1955, p. 92 [Syria].—Stichel 1960a, p. 326.

TYPE: Sex unknown; Syria; Hungarian Mus.

DISTRIBUTION: Israel; Syria; Lebanon; Turkey.

HOST PLANT: Unrecorded.

**Catoplatus horvathi* (Puton)

Monanthia flavipes Horváth 1874a, p. 334 [Hungary]; 1874b, p. 432.

Monanthia (Catoplatus) horvathi Puton 1879c, p. 119 [France].

Monanthia horvathi: Horváth 1889, p. 329 [Austria; *Eryngium campestre*].—d'Antessanty 1890, p. 33 [*Eryngium*].—Hüeber 1893, p. 343 [Bulgaria].

Catoplatus flavipes: Lethierry and Severin 1896, p. 20 [Yugoslavia].—Horváth 1906a, p. 90 [Rumania].—Oshanin 1908, p. 444 [Crimea; Tauria].—Stichel 1926, p. 114; 1938a, p. 408 [Belgium; Albania; Turkey]; 1960a, p. 325.—Scholte 1935, p. 77 [Netherlands].—Hoberlandt 1943b, pp. 121, 124 [Czechoslovakia].—Kiritshenko 1951, p. 251.

Catoplatus horvathi: Drake and Ruhoff 1961b, p. 167; 1961c, p. 149.

TYPE: Sex unknown; France; Paris Mus.

DISTRIBUTION: France; Belgium; Netherlands; Austria; Czechoslovakia; Hungary; Bulgaria; Rumania; Yugoslavia; Albania; U.S.S.R. (Crimea; Tauria); Turkey.

HOST PLANTS: *Eryngium campestre*; *Eryngium* sp.

Catoplatus horvathi var. *pallens* Dobšik

Catoplatus flavipes var. *pallens* Dobšik 1951, p. 40 [Czechoslovakia].

TYPE: Holotype ♀; Lazánecký, Czechoslovakia; deposition unknown.

DISTRIBUTION: Czechoslovakia.

HOST PLANT: Unrecorded.

**Catoplatus leucus* Kiritshenko

Catoplatus leucus Kiritshenko 1914, p. 195 [Turkestan].

TYPE: Sex unknown; Iskender, Turkestan, Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R. (Turkestan).

HOST PLANT: Unrecorded.

Catoplatus mamorensis Bergevin

Catoplatus mamorensis Bergevin 1922, p. 108, figs. 1, 2 [Morocco; *Quercus suber*].

TYPE: Sex unknown; Rabat, Morocco; Bergevin Coll. (Paris Mus.).

DISTRIBUTION: Morocco.

HOST PLANT: *Quercus suber*.

**Catoplatus mamorensis* var. *biseriatus* Lindberg

Catoplatus mamorensis var. *biseriatus* Lindberg 1936a, p. 85, fig. 3 [Morocco].

TYPE: Holotype ♀; Morocco; Thérays Coll.

DISTRIBUTION: Morocco.

HOST PLANT: Unrecorded.

**Catoplatus nigriceps* Horváth

Monanthia (Tropidocheila) melanocephala (not Panzer): Fieber 1844, p. 77, pl. 6, figs. 26–30 [Germany; Austria].

Tingis melanocephala: Kolenati 1856, p. 425 [Transcaucasus].

Monanthia eryngii (not Latrielle): Fieber 1861, p. 124.

Monanthia (Catoplatus) melanocephala: Puton 1879c, p. 118 [*Eryngium campestre*].

Monanthia melanocephala: Hüeber 1893, p. 344.

Catoplatus nigriceps Horváth 1905b, p. 569; 1906a, p. 89 [Hungary; Caucasus; *Potentilla*].—Stichel 1926, p. 114; 1960a, p. 325.—Hoberlandt 1943, p. 119 [Czechoslovakia].—Blöte 1945, p. 88 [Tunisia].—Drake 1948a, p. 7 [Japan].—Takeya 1951a, p. 18.—Kiritshenko 1951, p. 251.

TYPE: Unknown.

DISTRIBUTION: Czechoslovakia; Austria; Hungary; Germany; U.S.S.R. (Caucasus; Transcaucasus); Japan; Tunisia.

HOST PLANTS: *Eryngium campestre*; *Potentilla* sp.

NOTE: The record of *C. nigriceps* in Japan is based upon a ♀ specimen labeled "Sappora-Matsum." kindly sent by the late Prof. Matsumura.

**Catoplatus olivieri* (Puton)

Monanthia (Tropidochila) olivieri Puton 1873, p. 18 [Algeria].

Monanthia (Catoplatus) olivieri: Puton 1879c, p. 117 [Sardinia].

Catoplatus (Coscinopoea) olivieri: Stål 1874, p. 58.

Catoplatus olivieri: Lethierry and Severin 1896, p. 21.—Horváth 1906a, p. 90 [Tunisia].—Lindberg 1932a, p. 43 [Morocco].—Stichel 1960a, p. 325.

TYPE: Sex unknown; Bône, Algeria; Paris Mus.

DISTRIBUTION: Algeria; Tunisia; Morocco; Sardinia.

HOST PLANT: Unrecorded.

Genus CELANTIA Distant

Celantia Distant 1903b, p. 137.—Drake and Ruhoff 1960a, p. 43.

TYPE SPECIES: *Leptodictya vagans* Distant.

Celantia creta Drake

Celantia creta Drake 1960, p. 366, fig. 17 [New Britain].

TYPE: Holotype ♂; Kerawat, New Britain; Bishop Mus.

DISTRIBUTION: New Britain Island, Bismarck Archipelago.

HOST PLANT: Unrecorded.

**Celantia nitidula* (Stål)

Tingis (Tingis) nitidula Stål 1873, p. 130 [Australia].

Phyllontochila nitidula: Lethierry and Severin 1896, p. 17.

Celantia nitidula: Drake and Ruhoff 1961b, p. 167.

TYPE: Sex unknown; Australia; Stockholm Mus.

DISTRIBUTION: Australia.

HOST PLANT: Unrecorded.

†*Celantia seposita* Cockerell

Celantia (?) *seposita* Cockerell 1921, p. 542, fig. 1 [fossil; Oligocene; Isle of Wight].—Drake and Ruhoff 1960a, p. 11.

TYPE: Sex undeterminable; Isle of Wight; British Mus.

DISTRIBUTION: Fossil.

**Celantia teres* Drake (emendation)

Celantia teretis Drake 1951, p. 174 [India].

TYPE: Holotype ♀; Trichinopoly, India; Hungarian Mus.

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

Celantia vagans (Distant)

Leptodictya vagans Distant 1903a, p. 48 [Ceylon].

Celantia vagans: Distant 1903b, p. 137, fig. 101.—Drake and Ruhoff 1961b, p. 168, fig. 13.

TYPE: Sex unknown; Ceylon; British Mus.

DISTRIBUTION: Ceylon.

HOST PLANT: Unrecorded.

Genus CERATINODERMA Stål

Ceratinoderma Stål 1873, p. 117.—Lethierry and Severin 1896, p. 9.—Drake and Ruhoff 1960a, p. 23.

TYPE SPECIES: *Ceratinoderma fornicata* Stål.

***Ceratinoderma fornicata* Stål**

Ceratinoderma fornicata Stål 1873, p. 117 [Caffraria].—Distant 1902a, p. 240, pl. 15, fig. 4.—Drake 1954f, p. 1.

TYPE: Holotype ♀; Caffraria, South Africa; Stockholm Mus.

DISTRIBUTION: South Africa.

HOST PLANT: Unrecorded.

***Ceratinoderma kivuensis* Schouteden**

Ceratinoderma kivuensis Schouteden 1955a, p. 27 [Congo].

TYPE: Sex unknown; Burunga, Kivu, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

Genus COCHLOCHILA Stål

Monanthia (*Cochlochila*) Stål 1873, p. 133.

Cochlochila: Horváth 1910, p. 67.—Drake 1948i, pp. 179–181.—Drake and Ruhoff 1960a, p. 44.

Physodictyon Lindberg 1927, p. 16.—Drake and Ruhoff 1960a, p. 77.

TYPE SPECIES: *Monanthia* (*Cochlochila*) *bullita* Stål.

Cochlochila adenana Drake

Cochlochila adenana Drake 1957a, p. 419, fig. 3 [Aden].

TYPE: Holotype ♂; Jebel Jihaf, Western Aden Protectorate, Arabia; British Mus.

DISTRIBUTION: Aden Protectorate.

HOST PLANT: Unrecorded.

***Cochlochila aemula** Drake

Cochlochila aemula Drake 1958b, p. 27 [Congo].

TYPE: Holotype ♂; Lusinga, Belgian Congo; Parcs Nat. Inst.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Cochlochila bequaerti** Schouteden

Cochlochila bequaerti Schouteden 1916b, p. 294 [Congo].

TYPE: Sex unknown; Mufungwa-Sampwe, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo; South Africa (Cape Province).

HOST PLANT: Unrecorded.

***Cochlochila bullita** (Stål)

Monanthia (*Cochlochila*) *bullita* Stål 1873, p. 133.

Tingis globulifera Walker 1873a, p. 182 [India; heliotrope].—Kirby 1891, p. 110, pl. 4, fig. 11 [Ceylon].

Monanthia globulifera: Distant 1902b, p. 356; 1903b, p. 144, fig. 107; 1910a, p. 123 [*Coleus*; sage].—Maxwell-Lefroy 1909, p. 692, fig. 460 [*Ocimum basilicum*].—Fletcher 1918, p. 267 [*Ocimum sanctum*]; 1920, p. 264 [mint; safflower].—Iyengar 1924, p. 296, pls. 27, 28.—Singh 1953, p. 118.—Sharga 1953, p. 885, figs. 1–5 [*Ocimum canum*; *Ocimum kilimandscharicum*; *Salvia officinalis*; *Carthamus tinctorius*; *Mentha*]; 1955, p. 284, figs. 1–7.—Thontadarya and Channa Basavanna 1959, p. 289.

Monanthia mitrata Distant 1904, p. 433, pl. 8, figs. 14, 14a [Cape Province].—Hesse 1925, p. 90.—Blöte 1945, p. 91.—Drake 1948i, pp. 179, 181.

Cochlochila bullita: Horváth 1909b, p. 632; 1910, p. 67.—Drake 1948i, p. 179; 1956a, p. 4 [China]; 1956f, p. 422 [Uganda; Kenya; Java].—Drake and Maa 1953, p. 91.

Cochlochila mitrata: Horváth 1910, p. 67 [Tanganyika].—Schouteden 1923, p. 109 [Congo].

Monanthia bullita: Drake 1937a, p. 386 [Philippines].

TYPE: Unknown.

DISTRIBUTION: South Africa (Cape Province); Kenya; Uganda; Tanganyika; Congo; India; Ceylon; Greater Sunda Islands (Java); Philippine Islands; China.

HOST PLANTS: *Carthamus tinctorius*; *Coleus* sp.; *Mentha* sp.; *Ocimum basilicum*; *Ocimum canum*; *Ocimum kilimandscharicum*; *Ocimum sanctum*; *Salvia officinalis*; heliotrope.

NOTE: Life history studies [Iyengar; Sharga 1953]; genitalia and reproductive organs [Sharga 1955]; predators [Sharga 1953].

**Cochlochila capeneri* Drake and Slater

Cochlochila capeneri Drake and Slater 1955, p. 49 [Transvaal].—Drake 1961c, p. 129 [Natal; Cape Province].

TYPE: Holotype ♀, macropterous; Kaalfontein, Pretoria, South Africa; Drake Coll. (USNM).

DISTRIBUTION: South Africa (Transvaal; Natal; Cape Province).

HOST PLANT: Unrecorded.

NOTE: Type locality incorrectly given as "Rustenburg, South Africa" [Drake].

Cochlochila exolenta Drake

Cochlochila exolenta Drake 1957a, p. 416, fig. [Aden; jasmine].

TYPE: Holotype ♀; Jebel Jihaf, Western Aden Protectorate, Arabia; British Mus.

DISTRIBUTION: Aden Protectorate.

HOST PLANT: Wild jasmine.

**Cochlochila ituriensis* Schouteden

Cochlochila ituriensis Schouteden 1953d, p. 167 [Congo].—Drake 1958b, p. 29.

TYPE: Sex unknown; Yebo Moto, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

**Cochlochila kilimensis* Horváth

Cochlochila kilimensis Horváth 1910, p. 67 [Tanganyika].—Drake 1948i, p. 181 [Kenya; Rhodesia]; 1954e, p. 3 [Congo]; 1958b, p. 29.

TYPE: Sex unknown; Kibongoto, Kilimandjaro; Stockholm Mus.

DISTRIBUTION: Tanganyika; Kenya; Congo; Northern Rhodesia.

HOST PLANT: Unrecorded.

**Cochlochila lewisi* (Scott)

Leptodictya? lewisi Scott 1880, p. 314 [Japan].—Oshanin 1908, p. 450.—Takeya 1951a, p. 20.

Monanthia conchata Matsumura 1913, p. 151, pl. 14, fig. 16; 1931, p. 1202.

Physodictyon vesicarius Lindberg 1927, p. 17, pl. 1, fig. 1 [Siberia].

Cochlochila conchata: Esaki 1932, p. 1636, fig.; 1954, p. 236, fig. 611.—Saito 1934, p. 69 [Korea].—Drake 1948i, p. 179 [China].—Takeya

1951a, p. 22 [*Petasites japonica*; *Ligularia sibirica*; *Phytolacca acinosa*; *Cacalia thunbergii*]; 1953a, p. 2.

Cochlochila lewisi: Drake and Ruhoff 1961c, p. 150.

TYPE: Japan; sex and deposition of type unknown, presumably lost.

DISTRIBUTION: Japan; China; U.S.S.R. (Siberia); Korea.

HOST PLANTS: *Cacalia thumbergii*; *Ligularia sibirica*; *Petasites japonica*; *Phytolacca acinosa*.

NOTE: Accredited wrongly to Horváth by Matsumura (1913).

***Cochlochila naivashae** Drake

Cochlochila naivashae Drake 1948i, p. 180 [Kenya].

TYPE: Holotype ♂; Naivasha, Kenya; Coryndon Mus.

DISTRIBUTION: Kenya.

HOST PLANT: Unrecorded.

***Cochlochila nilgiriensis** (Distant)

Monanthia nilgiriensis Distant 1903a, p. 50 [India]; 1903b, p. 144.—

Drake 1933, p. 1015.—Singh 1953, p. 118.

Cochlochila nilgiriensis: Drake 1948i, p. 181.—Gomez-Menor 1956a, fig. 4 (fig. only).

TYPE: Sex unknown; Nilgiri Hills, India; British Mus.

DISTRIBUTION: India; Ceylon.

HOST PLANT: *Tectona grandis*.

Cochlochila yemenana Drake

Cochlochila yemenana Drake 1957a, p. 417, fig. 2 [Yemen].

TYPE: Holotype ♂; Jebel Sumara, Yemen, Arabia; British Mus.

DISTRIBUTION: Yemen.

HOST PLANT: Unrecorded.

***Cochlochila zetana** Drake

Cochlochila zetana Drake 1954c, p. 70 [Orange Free State].

TYPE: Holotype ♀, macropterous; Bloemfontein, Orange Free State; Drake Coll. (USNM).

DISTRIBUTION: South Africa (Orange Free State).

HOST PLANT: Unrecorded.

Genus **CODOTINGIS** Drake

Codotingis Drake 1942b, p. 360.—Drake and Ruhoff 1960a, p. 44.

TYPE SPECIES: *Codotingis recurva* Drake.

***Codotingis evansi** Drake

PLATE 27

Codotingis evansi Drake 1961b, p. 108, pl. 4 [Queensland].

TYPE: Holotype ♂; Moruen District, Queensland, Australia; Austr. Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Codotingis recurva** Drake

Codotingis recurva Drake 1942b, p. 361 [Queensland].

TYPE: Holotype ♀, macropterous; Nanango District, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

Genus COLEOPTERODES Philippi

Solenostoma Signoret 1863, p. 575.—Stål 1873, p. 117.—Lethierry and Severin 1896, p. 9.—Reed 1900, p. 178 (p. 85, separate).—Drake and Ruhoff 1960a, p. 25.

Coleopterodes Philippi 1864, p. 306.—Kirkaldy 1900, p. 241.—Bergroth 1922, p. 152.—Drake and Ruhoff 1960a, p. 24.

TYPE SPECIES: *Solenostoma liliputiana* Signoret = *Coleopterodes fuscescens* Philippi.

***Coleopterodes brunnea Drake and Poor**

Coleopterodes liliputiana var. *brunnea* Drake and Poor 1938b, p. 104 [Argentina; *Baccharis pingraea*].

Coleopterodes brunnea: Drake 1944a, p. 67.

TYPE: Holotype ♀; Argentina; La Plata Mus.

DISTRIBUTION: Argentina.

HOST PLANT: *Baccharis pingraea*.

***Coleopterodes liliputiana (Signoret)**

Solenostoma liliputiana Signoret 1863, p. 575, pl. 13, fig. 27 [Chile].—

Stål 1873, p. 117.—Berg 1884, p. 100 [Argentina; *Baccharis pingraea*].—

Reed 1900, p. 178 (p. 85, separate).—Pennington 1921, p. 20.—

Bosq 1937, p. 131.

Coleopterodes fuscescens Philippi 1864, p. 308.—Walker 1873b, p. 4.

Monanthia liliputiana: Walker 1873a, p. 194.

Solenostoma liliputianum [sic]: Champion 1898b, p. 56.

Coleopterodes liliputianum: Drake 1922b, p. 50.

Coleopterodes liliputiana: Drake 1922c, p. 353, pl. 39, fig. 13; 1939c, p. 332; 1948h, p. 76 [*Acacia cavenia*].

TYPE: Chile; sex and deposition of type unknown.

DISTRIBUTION: Chile; Argentina.

HOST PLANTS: *Acacia cavenia*; *Baccharis pingraea*.

Genus COLLINUTIUS Distant

Collinutius Distant 1903b, p. 134.—Drake and Ruhoff 1960a, p. 44.

TYPE SPECIES: *Tingis alicollis* Walker.

***Collinutius alicollis (Walker)**

Tingis alicollis Walker 1873a, p. 182 [India].

Phyllontochila alicollis: Distant 1902b, p. 354.

Collinutius alicollis: Distant 1903b, p. 135, fig. 98.—Drake and Maa 1954, p. 115 [China].

TYPE: Sex unknown; Hindostan; British Mus.

DISTRIBUTION: India; China.

HOST PLANT: Unrecorded.

Genus COMPSEUTA Stål

Monanthia (*Compseuta*) Stål 1873, p. 133.

Compseuta: Distant 1904, p. 433; 1910, p. 105.—Horváth 1910, p. 70.—

Drake 1948f, pp. 197–204.—Drake and Ruhoff 1960a, p. 44.

TYPE SPECIES: *Tropidocheila ornatella* Stål.

****Compseuta bioculata* Drake**

Compseuta bioculata Drake 1948f, pp. 202, 203, fig. 1 [Nigeria].

TYPE: Holotype ♀, macropterous; Cameroon Mts., Nigeria; Drake Coll. (USNM).

DISTRIBUTION: Nigeria; South Africa.

HOST PLANT: Unrecorded.

****Compseuta bispinosa* Drake**

Compseuta bispinosa Drake 1951, p. 173 [Tanganyika].—Drake and Ruhoff 1961c, p. 145.

Compseuta kittenbergeri Drake 1951, p. 173.

TYPE: Holotype ♂; Arusha, Africa orientalis; Hungarian Mus.

DISTRIBUTION: Tanganyika; Egypt.

HOST PLANT: Unrecorded.

****Compseuta capensis* (Walker)**

Piesma capensis Walker 1873b, p. 6 [Natal].

Monanthia capensis: Distant 1902a, p. 243; 1902b, p. 356.

Compseuta capensis: Drake 1948f, p. 202.

TYPE: Sex unknown; Natal, South Africa; British Mus.

DISTRIBUTION: South Africa (Natal); Uganda.

HOST PLANT: Unrecorded.

****Compseuta comes* Drake**

Compseuta comes Drake 1951, p. 172 [Tanganyika].

TYPE: Holotype ♂; Arusha, Africa orientalis; Hungarian Mus.

DISTRIBUTION: Tanganyika.

HOST PLANT: Unrecorded.

****Compseuta cordiae* Drake**

Compseuta cordiae Drake 1948f, pp. 200, 203 [Uganda; *Cordia*]; 1954g, p. 665 [Ethiopia; *Cordia abyssinica*].—Schouteden 1957c, p. 318 [Congo].

TYPE: Holotype ♀, macropterous; Kampola, Uganda; Drake Coll. (USNM).

DISTRIBUTION: Uganda; Congo; South Africa; Ethiopia; Tanganyika.

HOST PLANTS: *Cordia abyssinica*; *Cordia* sp.

****Compseuta dispar* Schouteden**

Compseuta dispar Schouteden 1923, p. 109 [Congo].

TYPE: Sex unknown; Madyu, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo; Uganda.

HOST PLANT: Unrecorded.

Compseuta expleta Drake

Compseuta expleta Drake 1955b, p. 85 [Angola].

TYPE: Holotype ♂; Serra do Moco, Luimbale, Angola; Cent. Afr. Mus.

DISTRIBUTION: Angola.

HOST PLANT: Unrecorded.

***Compseuta holana** Drake

Compseuta holana Drake 1948f, pp. 199, 203 [Zanzibar; Ethiopia; Tanganyika].

TYPE: Holotype ♂, macropterous; Zanzibar; Drake Coll. (USNM).

DISTRIBUTION: Zanzibar; Tanganyika; Ethiopia; Uganda; Congo; South Africa.

HOST PLANT: Unrecorded.

***Compseuta lamellata** Drake

Compseuta lamellata Drake 1958a, p. 105 [Transvaal].

TYPE: Holotype ♂, macropterous; El Andshock, Eastern Transvaal, South Africa; Drake Coll. (USNM).

DISTRIBUTION: South Africa (Transvaal).

HOST PLANT: Unrecorded.

***Compseuta latipennis** Horváth

Compseuta latipennis Horváth 1910, p. 70 [Tanganyika].

TYPE: Sex unknown; Kibonota, Kilimandjaro; Stockholm Mus.

DISTRIBUTION: Tanganyika.

HOST PLANT: Unrecorded.

***Compseuta lefroyi** Distant

Compseuta lefroyi Distant 1909a, p. 113 [India]; 1910a, p. 106, fig. 52.—
Drake 1948a, p. 4 [Java; *Lantana*].—Drake and Ruhoff 1962a, p. 156; 1962b, p. 250.

Compseuta tropica Hacker 1928, p. 184, fig. 1 [Queensland].—Drake 1948a, p. 4.

Compseuta tessellata Drake and Poor 1936a, p. 441 [Hainan Island].—
Drake 1948a, p. 4 [China].

Compseuta lefroyi var. *tropica*: Drake 1948f, pp. 197, 203.

Compseuta lefroyi var. *tessellata*: Drake 1948f, pp. 197, 203.

TYPE: Sex unknown; Pusa, Bengal, India; British Mus.

DISTRIBUTION: India; Australia (Queensland); China (Hainan Island); Greater Sunda Islands (Java).

HOST PLANTS: *Lantana* sp.; *Cordia myxa*.

***Compseuta montandoni** Distant

Compseuta montandoni Distant 1904, p. 434, pl. 8, fig. 15 [South Africa].—
Horváth 1910, p. 71 [Tanganyika].—Drake 1948f, p. 201.—Priessner
and Alfieri 1953, p. 65 [Egypt; *Triumfetta flavescens*].—Drake and
Slater 1955, p. 49 [Natal].

TYPE: Sex unknown; Rikatla, South Africa; British Mus.

DISTRIBUTION: South Africa (Natal); Tanganyika; Kenya; Egypt.

HOST PLANT: *Triumfetta flavescens*.

Compseuta montandoni var. **simulans** Horváth

Compseuta montandoni var. *simulans* Horváth 1910, p. 71 [Tanganyika].

TYPE: Sex unknown; Kilimandjaro; Stockholm Mus.

DISTRIBUTION: Tanganyika.

HOST PLANT: Unrecorded.

Compseuta motoensis Schouteden

Compseuta motoensis Schouteden 1955a, p. 30 [Congo].

TYPE: Sex unknown; Moto, Belgium Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Compseuta notialis** Drake

Compseuta notialis Drake 1948f, pp. 199, 204 [Uganda].

TYPE: Holotype ♀, macropterous; Masaka, Uganda; Drake Coll. (USNM).

DISTRIBUTION: Uganda; Egypt; South Africa.

HOST PLANT: Unrecorded.

***Compseuta ornatella** (Stål)

Tropidocheila ornatella Stål 1855a, p. 37 [Caffraria].

Monanthia (Physatochila) ornatella: Stål 1865, p. 28.

Monanthia (Compseuta) ornatella: Stål 1873, p. 133.

Monanthia ornatella: Walker 1873a, p. 195.—Distant 1902a, p. 242, pl. 15, fig. 9.

Compseuta ornatella: Distant 1904, p. 433.—Schouteden 1916b, p. 292 [Congo]; 1923, p. 108; 1957c, p. 318 [Ruanda].—Drake 1948f, p. 198; 1954e, p. 3; 1955b, p. 86 [Uganda; Kenya; Angola]; 1958b, p. 28 [Rhodesia].—Drake and Gomez-Menor 1954, p. 91 [Spanish Guinea].

Monanthia nigristernum Horváth 1910, p. 69 [Tanganyika].

TYPE: Sex unknown; Caffraria, South Africa; Stockholm Mus.

DISTRIBUTION: South Africa; Northern Rhodesia; Congo; Kenya; Tanganyika; Angola; Uganda; Ruanda-Urundi; Spanish Guinea.

HOST PLANT: Unrecorded.

***Compseuta ornatella** var. **biseriata** Drake

Compseuta ornatella var. *biseriata* Drake 1948f, pp. 198, 204 [Uganda].

TYPE: Holotype ♀, macropterous; Entebbe, Uganda; Drake Coll. (USNM).

DISTRIBUTION: Uganda; South Africa.

HOST PLANT: Unrecorded.

**Compseuta ornatella* var. *carinata* Drake

Compseuta tenella [sic] subsp. *carinata* Drake 1958b, p. 28 [Congo].

TYPE: Holotype ♀; Lusinga, Belgian Congo; Parcs Nat. Inst.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

**Compseuta ornatella* var. *teres* Drake (emendation)

Compseuta ornatella var. *teretis* Drake 1948f, pp. 199, 204 [Uganda]; 1954a, p. 232 [Guinea].

TYPE: Holotype ♀, macropterous; W. Nile, Uganda; Drake Coll. (USNM).

DISTRIBUTION: Uganda; Guinea; South Africa.

HOST PLANT: Unrecorded.

**Compseuta picta* Schouteden

Compseuta picta Schouteden 1923, p. 108 [Congo].—Drake 1954e, p. 3; 1955b, p. 86 [Angola].—Drake and Gomez-Menor 1954, p. 91 [Spanish Guinea; Cameroons].—Gomez-Menor 1956a, p. 112 [Malvaceae].

TYPE: Sex unknown; Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo; Angola; Cameroons; Spanish Guinea.

HOST PLANT: Malvaceae.

Compseuta picta var. *brevicarinata* Schouteden

Compseuta picta var. *brevicarinata* Schouteden 1923, p. 108 [Congo].

TYPE: Sex unknown; Kamaiembi, Kasai, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

**Compseuta picta* var. *funnebris* Schouteden

Compseuta picta var. *funnebris* Schouteden 1923, p. 109 [Congo].

TYPE: Sex unknown; Kamaiembi, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

**Compseuta sejuncta* Drake

Compseuta sejuncta Drake 1948f, pp. 201, 204 [Egypt].

TYPE: Holotype ♂, macropterous; Shenki, Egypt; Drake Coll. (USNM).

DISTRIBUTION: Egypt.

HOST PLANT: Unrecorded.

Genus CONCHOTINGIS Drake

Conchotingis Drake 1954c, p. 71.—Drake and Ruhoff 1960a, p. 45.

Conchochila Drake 1958c, p. 329.—Drake and Ruhoff 1960a, p. 45.

TYPE SPECIES: *Xenotingis trepidantis* Drake.

***Conchotingis borneoana** Drake and Ruhoff

Conchotingis borneoana Drake and Ruhoff 1961b, p. 172, fig. 17a [Borneo].

TYPE: Holotype ♀, macropterous; Sandakan, Borneo; Drake Coll. (USNM).

DISTRIBUTION: Greater Sunda Islands (Borneo).

HOST PLANT: Unrecorded.

Conchotingis insulana (Drake)

Conchochila insulana Drake 1958c, p. 331 [Malagasy].

Conchotingis insulana: Drake and Ruhoff 1960a, p. 45.

TYPE: Holotype ♂; Périnet, Madagascar; Madagascar Sci. Inst.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Conchotingis sundra** (Drake)

Conchochila sundra Drake 1958c, p. 329, fig. 1 [Malagasy].

Conchotingis sundra: Drake and Ruhoff 1960a, p. 45.

TYPE: Holotype ♂; Périnet, Madagascar; Madagascar Sci. Inst.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Conchotingis trepidans** (Drake) emendation

Xenotingis trepidantis Drake 1927d, p. 310 [Malagasy].

Conchotingis trepidantis: Drake 1954c, p. 71; 1958c, p. 332.

TYPE: Holotype ♀, macropterous; Madagascar; Drake Coll. (USNM).

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

Genus CONGOCHILA Drake

Congochila Drake 1954c, p. 8.—Drake and Ruhoff 1960a, p. 45.

TYPE SPECIES: *Congochila congoana* Drake.

***Congochila congoana** Drake

Congochila congoana Drake 1954e, p. 9 [Congo].

TYPE: Holotype ♂; Libenge, Savane, Liki-Bembe, Belgian Congo; Brussels Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

Genus COPIUM Thunberg

Copium Thunberg 1822, p. 8.—Lethierry and Severin 1896, p. 15.—Horváth 1906a, pp. 14, 91 (key).—Oshanin 1908, p. 445; 1912, p. 45.—Stichel 1926, pp. 104, 114 (key); 1935, p. 349; 1938a, p. 408; 1960a, p. 326; 1960b, p. 399.—de Seabra 1931, p. 430.—Gulde 1938, pp. 244, 304 (key).—Kiritschenko 1951, pp. 242, 251.—Takeya 1951a, p. 18.—Singer 1952, p. 53.—Wagner 1954, p. 200 (key);

1956, p. 86 (key).—Hoberlandt 1955, p. 93.—Monod and Carayon 1958, pp. 1–30.—Drake and Ruhoff 1960a, p. 45.

Monanthia Le Peletier and Serville 1828, p. 653.—Drake and Ruhoff 1960a, p. 68.

Eurycera Laporte 1833, p. 49.—Stål 1874, p. 57.—Rey 1888, p. 190.—Drake and Ruhoff 1960a, p. 56.

Lacometopus Fieber 1844, pp. 30, 96; 1861, p. 119.—Drake and Ruhoff 1960a, p. 63.

TYPE SPECIES: *Copium cornutum* Thunberg = *Cimex clavicornis* Linnaeus.

****Copium adumbratum*** (Horváth)

Eurycera adumbrata Horváth 1891, p. 79 [Armenia].

Copium adumbratum: Lethierry and Severin 1896, p. 15.—Horváth 1906a, p. 93 [Syria].—Oshanin 1908, p. 446 [Transcaucasus].—Seidenstücker 1954, p. 236 [Turkey].—Wagner 1954, pp. 202, 209, figs. 1, 8, 15, 22; 1956, p. 86.—Hoberlandt 1955, p. 93.—Stichel 1960a, p. 326.

Paracopium adumbratum: Horváth 1929, p. 322.

TYPE: Holotype ♀; Armenia; Hungarian Mus.

DISTRIBUTION: U.S.S.R. (Armenia; Transcaucasus); Syria; Turkey.

HOST PLANT: Unrecorded.

****Copium bernardi*** Wagner

Copium bernardi Wagner 1954, pp. 203, 209, figs. 5, 13, 20, 27 [Algeria; *Teucrium polium*]; 1956, p. 86.—Monod and Carayon 1958, p. 5.—Stichel 1960a, p. 329.

TYPE: Holotype ♂; T'in Taradjeli, Tassili-Plateau, Sahara; Wagner Coll.

DISTRIBUTION: Algeria.

HOST PLANT: *Teucrium polium*.

****Copium brevicorne*** (Jakovlev)

Eurycera brevicornis Jakovlev 1880b, p. 103 [Caucasus].—Rey 1888, p. 191.

Copium brevicorne: Lethierry and Severin 1896, p. 15.—Wagner 1954, pp. 200, 203, 206, 209, figs. 6, 12, 19, 26 [Greece; Yugoslavia]; 1956, p. 86.—Monod and Carayon 1958, p. 5.—Stichel 1960a, p. 331 [Cyprus].

Copium teucrii var. *brevicorne*: Horváth 1906a, p. 93 [Tunisia; Armenia; Turkey; Syria].—Oshanin 1908, p. 446 [Rumania].—Kiritshenko 1951, p. 252.—Hoberlandt 1955, p. 93 [Transcaucasus; Israel].

TYPE: Sex unknown; Derbent, Dagestan, Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R. (Dagestan; Caucasus; Transcaucasus; Armenia); Turkey; Syria; Israel; Rumania; Yugoslavia; Greece; Cyprus; Tunisia.

HOST PLANT: Unrecorded.

***Copium clavicorne** (Linnaeus)

PLATES 18, 19, 20

Cimex clavicornis Linnaeus 1758, p. 442, (no. 12); 1761, p. 246 (no. 911); 1767, p. 717 (no. 16).—Houttuyn 1765, p. 339.—Müller 1774, p. 482.—Fourcroy 1785, p. 212 [*Teucrium chameadrys*].—Gmelin 1790, p. 2125.

Acanthia clavicornis: Fabricius 1775, p. 694; 1781, p. 336; 1787, p. 278; 1794, p. 70.—Roemer 1789, p. 79, fig. 4.—Rossi 1790, p. 223 [Italy].—Panzer 1794, heft 23, tab. 23.—Walckenaer 1802, p. 337 [France].

Tingis clavicornis: Fabricius 1803, p. 124.—Latreille 1804, p. 251.—Vallot 1829, p. 99 [*Teucrium montanum*].—Herrich-Schaeffer 1835, p. 57.

Tingis punctata Lamarck 1816, p. 504.

Copium cornutum Thunberg 1822, p. 8; 1825, p. 9.—Horváth 1906a, p. 92 [Greece; Rumania; Turkey]; 1916, p. 9 [Albania].—Mužik 1907, p. 61, fig. 5.—Stichel 1926, p. 114; 1938a, p. 408 [Poland].—de Seabra 1931, pp. 431, 444, figs. 502(1-4), 503 [Portugal].—Börner 1935, p. 78, fig. 115.—Scholte 1935, p. 77, fig. 21 [Netherlands].—Gulde 1938, p. 305, fig.—Hoberlandt 1942, p. 126; 1943a, p. 119; 1943b, p. 124; 1955, p. 93 [Israel].—Blöte 1945, p. 85.—Kiritshenko 1951, p. 252.—Behr 1952, p. 326, figs. 1-6.—Bator 1953, p. 326, pl. 3, fig. 2.—Mancini 1953a, p. 186.—Seidenstücker 1954, p. 236.—Wagner 1954, pp. 200, 202, 209, figs. 3, 10, 17, 24; 1956a, p. 86.—Gomez-Menor 1955b, p. 249 [Spain].—Monod and Carayon 1958, pp. 5, 8, figs. 1-7 [*Teucrium flavum*; *Teucrium marum*].

Monanthia clavicornis: Le Peletier and Serville 1828, p. 653.—Westwood 1840a, p. 478; 1840b, p. 121 [England].

Eurycera nigricornis Laporte 1833, p. 49.—Burmeister 1835, p. 258.—Spinola 1837, p. 167.—Amyot and Serville 1843, p. 296.

Eurycera clavicornis: Brullé 1835, p. 341, pl. 26, fig. 2.—Herrich-Schaeffer 1838, p. 65, pl. 129, fig. 400a.—Blanchard 1840, p. 113.—Jakovlev 1875b, p. 262; 1880b, p. 103.—Reiber and Puton 1876, p. 69.—Andre 1876, p. 34; 1878a, p. 25.—Ferrari 1878, p. 66.—Puton 1879c, p. 106 [*Teucrium scorodonium*].—Rey 1888, p. 190, fig.—Dubois 1888, p. 120.—d'Antessanty 1890, p. 31.—Hüeber 1893, p. 326.

Laccometopus clavicornis: Fieber 1844, p. 97, pl. 8, figs. 10-16 [Czechoslovakia]; 1861, p. 119.—Frauenfeld 1853, p. 160.—Mayr 1858, p. 571 [Austria].—Garbiglietti 1869, p. 272.—Gredler 1870, p. 75 [Germany].—Horváth 1874b, p. 432 [Hungary].—Douglas 1877, p. 236.—Buchanan-White 1877, p. 283.—Rübsaamen 1896, p. 428, pl. 15, fig. 8.—Drake and Ruhoff 1960a, p. 63.

Tingis (Laccometopus) clavicornis: Kolnati 1856, p. 426 [Caucasus; Transcaucasus; *Teucrium canum*; *Teucrium scordium*].

Laccometohus [sic] clavicornis: Frey-Gessner 1865, p. 231 [Switzerland]

Dictyonota nigricornis: Walker 1873a, p. 176.

Eurycera cornuta: Reuter 1881, p. 170.

Copium clavicorne: Lethierry and Severin 1896, p. 15.—Reichensperger 1920, p. 61.—Ross and Hedicke 1927, p. 281.—Stichel 1960a, p. 328, fig. 137 [Belgium; Sardinia; Yugoslavia; Bulgaria].

Copium clavicornis: Wagner 1954, pp. 200, 209.—Drake and Davis 1960, fig. 2.—Drake and Ruhoff 1960a, pp. 45–47, pl. 4.

TYPE: "Europa"; Stockholm Mus.; sex unknown.

DISTRIBUTION: England; Belgium; Netherlands; France; Spain; Portugal; Sardinia; Italy; Switzerland; Germany; Austria; Czechoslovakia; Hungary; Rumania; Greece; Albania; Poland; Bulgaria; Yugoslavia; Turkey; U.S.S.R. (Caucasus; Transcaucasus); Israel.

HOST PLANTS: *Teucrium chamaedrys*; *Teucrium canum*; *Teucrium flavum*; *Teucrium marum*; *Teucrium montanum*; *Teucrium scordium*; *Teucrium scorodonium*; *Teucrium* sp.

NOTE: 1. The following references concern *Cimex clavicornis*: *Cimex* sp. 687 Linnaeus 1746, p. 212; *Cimex* sp. 56 Geoffroy 1762, p. 461 (cited Linnaean references and that specimens were feeding on flowers of chamaedry); (unnamed insect) Reaumur 1737, p. 427a, pl. 34, fig. 3, 4 (contains a good discussion of gall-making insect and figure of galls on "Fluer du camedry").

2. Host plant damage [Douglas; Behr]. 3. Discussion on nomenclature and history [Drake and Ruhoff].

**Copium horvathi* Wagner

Copium horvathi Wagner 1957, p. 28, figs. 1–5 [Turkey; Greece].—Stichel 1960a, p. 331 [Yugoslavia; Bulgaria; *Teucrium*].

TYPE: Unknown.

DISTRIBUTION: Turkey; Greece; Yugoslavia; Bulgaria.

HOST PLANT: *Teucrium* sp.

**Copium intermedium* (Rey)

Eurycera intermedia Rey 1888, p. 191, fig. [Corsica; Sardinia].

Copium intermedium: Lethierry and Severin 1896, p. 16.—Wagner 1954, pp. 200, 207, 209, figs. 7, 14, 21; 1956, pp. 84, 86, figs. 1–6.—Stichel 1960a, p. 330.

Copium teucree var. *intermedium*: Horváth 1906a, p. 93 [Bulgaria].—Mancini 1935, p. 9 [Capraia].—Novak and Wagner 1951, p. 71 [Yugoslavia; *Juniperus phoenicea*; *Helichrysum italicum*].—Gomez-Menor 1955b, p. 249 [Spain].

TYPE: Unknown.

DISTRIBUTION: Spain; Italy (Capraia Island); Corsica; Sardinia; Bulgaria; Yugoslavia.

HOST PLANTS: *Helichrysum italicum*; *Juniperus phoenicea*.

***Copium japonicum Esaki**

Lacometopus clavicornis (not Linnaeus): Scott 1874, p. 291 [Japan; *Keiskea japonica*].

Copium japonicum Esaki 1931, pp. 244, 251, fig. 2; 1932, p. 1637, fig.; 1954, p. 237, fig. 614.—Takeya 1931, p. 81; 1951a, p. 19 [Taiwan; *Mosla punctata*].—Monod and Carayon 1958, p. 5.

Paracopium japonicum: Drake 1937b, p. 591 [China].

TYPE: Holotype ♂; Mino, Honshu, Japan; Kyushu Univ.

DISTRIBUTION: Japan; China; Taiwan.

HOST PLANTS: *Keiskea japonica*; *Mosla punctata*.

***Copium magnicorne (Rey)**

Eurycera magnicornis Rey 1888, p. 191, fig. [France].

Copium magnicorne: Lethierry and Severin 1896, p. 16.—Wagner 1954, p. 208; 1955, p. 182, figs. 1–6; 1956, p. 86; 1958, p. 241 [*Teucrium montanum*; *Teucrium chamaedrys*].—Monod and Carayon 1958, p. 5.—Stichel 1960a, p. 330.

TYPE: Sex unknown; Rouen, France; Lyon Mus.

DISTRIBUTION: France.

HOST PLANTS: *Teucrium chamaedrys*; *Teucrium montanum*.

***Copium reyi Wagner**

Copium reyi Wagner 1954, pp. 203, 205, 209, figs. 2, 9, 16, 23 [France; *Teucrium scorodonium*]; 1956, p. 86.—Monod and Carayon 1958, p. 5.—Stichel 1960a, p. 327.

TYPE: Holotype ♂; Madeloc, France; Wagner Coll.

DISTRIBUTION: France.

HOST PLANT: *Teucrium scorodonium*.

***Copium teucii (Host)**

PLATES 21, 22

Cimex teucii Host 1788, p. 255, fig. [*Teucrium supinum*].

Tingis teucii: Westwood 1840a, p. 478.

Lacometopus teucii: Frauenfeld 1853, p. 160 [*Teucrium montanum*].—Mayr 1858, p. 571 [Austria; Russia].—Fieber 1861, p. 119 [Italy].—Garbiglietti 1869, p. 272.—Gredler 1870, p. 75 [Germany; *Teucrium chamaedrys*].—Horváth 1874b, p. 432 [Hungary].—Rübsaamen 1896, p. 429, pl. 16, figs. 1, 4, 37, 38 [*Teucrium polium*].

Monanthia teucii: Walker 1873a, p. 188.

Eurycera teucii: Puton 1879c, p. 106 [Corsica; France].—Jakovlev 1880b, p. 103.—Rey 1888, p. 190, fig.; 1893, p. 97.—Dubois 1888, p. 121.—d'Antessanty 1890, p. 31.—Hüeber 1893, p. 328.

Copium teucii: Lethierry and Severin 1896, p. 16.—Lambertie 1906, p. 25.—Horváth 1906a, p. 93 [*Teucrium capitatum*; Switzerland; Yugoslavia].—Oshanin 1908, p. 445 [Spain; Caucasus; Crimea].—Reuter 1908, p. 89.—Moroder Sala 1920, p. 12.—Stichel 1926, p. 114; 1938a, p. 408 [Albania]; 1960a, p. 329 [*Helichrysum angustifolium*];

Belgium; Sardinia; Greece; Bulgaria].—Lindberg 1932a, p. 43 [Morocco]; 1948, p. 59 [Cyprus].—Scholte 1935, p. 77 [Netherlands].—Börner 1935, p. 78.—Ross and Hedicke 1927, p. 281.—Vidal 1937, p. 199.—Blöte 1945, p. 85.—González 1948, p. 51.—Kiritshenko 1951, p. 252.—Bator 1953, p. 326.—Priesner and Alfieri 1953, p. 65 [Egypt].—Seidenstücker 1954, p. 236 [Turkey].—Wagner 1954, pp. 203, 209, figs. 4, 11, 18, 25; 1956, p. 86.—Hoberlandt 1955, p. 93 [Transcaucasus; Israel].—Monod and Carayon 1958, p. 5, figs. 8–16.

Copium lusitanicum de Seabra 1924, p. 17, figs. 29, 30 [Portugal].—Wagner 1954, p. 209.

Copium teucri [sic]: Gomez-Menor 1956a, p. 115, fig. 11 (fig. only).

TYPE: Unknown.

DISTRIBUTION: Portugal; Spain; France; Netherlands; Belgium; Germany; Austria; Italy; Corsica; Sardinia; Switzerland; Hungary; Yugoslavia; Greece; Cyprus; Albania; Bulgaria; Turkey; U.S.S.R. (Caucasus; Transcaucasus; Crimea); Israel; Morocco; Algeria; Egypt.

HOST PLANTS: *Helichrysum angustifolium*; *Teucrium capitatum*; *Teucrium chamaedrys*; *Teucrium montanum*; *Teucrium polium*; *Teucrium supinum*; *Teucrium* sp.

Genus CORINTHUS Distant

Corinthus Distant 1920, p. 155.—Drake and Ruhoff 1960a, p. 47.

TYPE SPECIES: *Corinthus typicus* Distant.

Corinthus typicus Distant

Corinthus typicus Distant 1920, p. 156 [New Caledonia].—Drake and Davis 1960, fig. 42.

TYPE: Sex unknown; Houadou, New Caledonia; British Mus.

DISTRIBUTION: New Caledonia.

HOST PLANT: Unrecorded.

Genus CORYCERA Drake

Corycera Drake 1922c, p. 368.—Monte 1939b, p. 66; 1941c, p. 84.—Hurd 1946, p. 457.—Drake and Ruhoff 1960a, p. 47.

TYPE SPECIES: *Corycera comptula* Drake.

**Corycera alboater* Drake and Hambleton

Corycera alboater Drake and Hambleton 1935, p. 143 [Brazil; *Dahlstedtia pinnata*].

TYPE: Holotype ♂, macropterous; Estação Biologica, Alta da Serra, São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Dahlstedtia pinnata*.

***Corycera albocosta** (Drake)

Gelchossa albocosta Drake 1922c, p. 372, pl. 39, fig. 2 [Brazil].

Leptopharsa albocosta: Monte 1941e, p. 109.

Corycera albocosta: Drake and Ruhoff 1961c, p. 145.

TYPE: Holotype ♂; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Corycera comptula** Drake

Corycera comptula Drake 1922c, p. 369, pl. 39, fig. 3 [Brazil]; 1930a, p. 1;

1935, p. 12 [Paraguay].—Drake and Hambleton 1944b, p. 124.

TYPE: Holotype ♂; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil; Paraguay.

HOST PLANT: Unrecorded.

Corycera fallax Monte

Corycera fallax Monte 1942a, p. 92 [Brazil].

TYPE: Holotype ♂; Palmceiras, Ipaussú, São Paulo, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Corycera fortis** Drake

Corycera fortis Drake 1942a, p. 18 [Paraguay].

TYPE: Holotype ♂, macropterous; Chaco, Paraguay; Drake Coll. (USNM).

DISTRIBUTION: Paraguay.

HOST PLANT: Unrecorded.

***Corycera gibbosa** Monte

Corycera gibbosa Monte 1938c, p. 64, fig. [Brazil; *Roupala*]; 1940c, p. 191, fig. 25; 1940e, p. 296.

Corycera rhopalae Drake and Poor 1938a, p. 29.

TYPE: Holotype ♂; Belo Horizonte, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: *Roupala* sp.

***Corycera juncta** Drake and Hambleton

Corycera juncta Drake and Hambleton 1944b, p. 124 [Brazil].

TYPE: Holotype ♀, macropterous; São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Corycera machaerii** Drake and Hambleton

Corycera machaerii Drake and Hambleton 1935, p. 142 [Brazil; *Machaerium*].

TYPE: Holotype ♂, macropterous; Ponte Nova, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Machaerium* sp.

***Corycera panamensis** Drake and Poor

Corycera panamensis Drake and Poor 1938a, p. 30 [Canal Zone].

TYPE: Holotype ♀, macropterous; Panama Canal Zone; Drake Coll. (USNM).

DISTRIBUTION: Panama (Canal Zone).

HOST PLANT: Unrecorded.

***Corycera pusilla** Monte

Corycera pusilla Monte 1942a, p. 92 [Brazil].

TYPE: Holotype ♂; Bocaina, São Paulo, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

Corycera rochalimai Monte

Corycera rocha-limai Monte 1940e, p. 296, fig. 6 [Brazil].

TYPE: Holotype ♂; Belo Horizonte, Minas Gerais, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Corycera rugulosa** Drake

Corycera rugulosa Drake 1922c, p. 369 [Brazil].—Monte 1939b, p. 67 [*Erythroxyton*].

TYPE: Holotype ♀; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil.

HOST PLANT: *Erythroxyton* sp.

Corycera schubarti Monte

Corycera schubarti Monte 1946b, p. 282 [Brazil].

TYPE: Holotype ♂; Pirassununga, São Paulo, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Corycera separata** (Drake and Hambleton)

Amblystira separata Drake and Hambleton 1935, p. 142 [Brazil; *Erythroxyton*].—Monte 1938b, p. 128.

Corycera separata: Monte 1941e, p. 86.

TYPE: Holotype ♂, macropterous; Itararé, São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil; British Guiana.

HOST PLANT: *Erythroxylon* sp.

***Corycera spissa** Drake

Corycera spissa Drake 1935, p. 12, fig. 1 [Paraguay].—Monte 1939b, p. 67 [Brazil; *Croton antisiphiliticus*]; 1940c, p. 193.

TYPE: Holotype ♂; S. Bernardino, Paraguay; Vienna Mus.

DISTRIBUTION: Paraguay; Brazil.

HOST PLANT: *Croton antisiphiliticus*.

***Corycera vallis** Drake

Corycera vallis Drake 1942, p. 18 [Paraguay].

TYPE: Holotype ♂, macropterous; Horqueta, Paraguay; Drake Coll. (USNM).

DISTRIBUTION: Paraguay.

HOST PLANT: Unrecorded.

Genus CORYTHAICA Stål

Corythaica Stål 1873, pp. 120, 128.—Champion 1897, p. 9; 1898b, p. 58.—Van Duzee 1917b, p. 817.—Gibson 1919c, p. 98 (key).—Blatchley 1926, p. 470 (key).—Monte 1939b, p. 67; 1941e, p. 86; 1942d, p. 104.—Hurd 1945, pp. 79–99 (monograph); 1946, p. 480.—Bailey 1951, p. 47.—Drake and Ruhoff 1960a, p. 47.

Typonotus Uhler 1893a, p. 716.—Drake and Ruhoff 1960a, p. 87.

Dolichocysta Champion 1898b, p. 56.—Van Duzee 1916, p. 25; 1917b, p. 215.—Drake 1917a, p. 214 (key).—Gibson 1919c, p. 101 (key).—Drake and Ruhoff 1960a, p. 54.

Leptotingis Monte 1938b, p. 128; 1939b, p. 75; 1941e, p. 121.—Drake and Ruhoff 1960a, p. 65.

TYPE SPECIES: *Tingis monacha* Stål.

***Corythaica acuta** (Drake)

Dolichocysta acuta Drake 1917a, p. 214 [Colo.; Mont.].

Corythaica acuta: Gibson 1919c, p. 100.—Hurd 1945, pp. 81, 93, pl. 1, fig. 3.

TYPE: Holotype ♂, macropterous; Fort Collins, Colorado, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Colo.; Mont.; Nev.).

HOST PLANT: Unrecorded.

***Corythaica bellula** Torre-Bueno

Corythaica bellula Torre-Bueno 1917, p. 19 [N.Y.].—Gibson 1919c, p. 100.—Blatchley 1926, p. 471.—Drake 1928b, p. 102; 1930d, p. 268.—Hurd 1945, pp. 81, 93, pl. 1, fig. 2.—Bailey 1951, p. 48, fig. 2 [Conn.; R.I.; Mass.; N.H.; *Panicum lindheimeri*]; 1959, p. 64 [Maine].—Byers 1959, p. 193.

Corythaica floridana Blatchley 1926, p. 472 [Fla.]; 1928, p. 5.

TYPE: Lectotype ♀; White Plains, New York, U.S.; Snow Mus.

DISTRIBUTION: U.S. (N.H.; Mass.; Maine; Conn.; R.I.; N.Y.; Fla.; Nebr.).

HOST PLANT: *Panicum lindheimeri*.

NOTE: Life history study [Bailey]; notes on type specimen [Byers].

**Corythaica bosqi* Monte

Corythaica bosqi Monte 1938d, p. 391 [Argentina].—Hurd 1945, pp. 82, 98, fig. 5.

TYPE: Holotype ♂; Santiago del Estero, Fortín Inca, Argentina; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

**Corythaica caestri* (Reed)

Tingis caestri Reed 1900, p. 181 (reprint, p. 88) [Chile].

Corythaica cucullata (not Berg): Drake and Poor 1938b, p. 108 (in part).

Corythaica caestri: Drake 1939c, p. 333.—Hurd 1945, pp. 82, 91, fig. 3.

TYPE: Holotype ♀, macropterous; Chile; Drake Coll. (USNM).

DISTRIBUTION: Chile.

HOST PLANT: Unrecorded.

**Corythaica carinata* Uhler

Corythaica carinata Uhler 1886, p. 22 (nov. nud.); 1894a, p. 203 [Grenada].—Champion 1897, p. 9, pl. 1, figs. 11, 11a [Guatemala]; 1898b, p. 59 [St. Vincent].—Van Duzee 1907, p. 19 [Jamaica].—Gibson 1919c, p. 100 [Tex.; eggplant].—Wolcott 1923, p. 246 [Puerto Rico].—Drake and Bruner 1924a, p. 151 [Cuba; Haiti].—Gowdy 1926, p. 35.—Barber 1939, p. 369.—Monte 1943c, p. 114 [*Solanum melongena*].—Hurd 1945, pp. 82, 88, pl. 1, fig. 1 [Honduras; Dominican Republic].—Bruner, Scaramuzza and Otero 1945, p. 11 [*Althaea rosea*].—Drake and Cobben 1960, p. 87, fig. 87 [Fla.; Mexico; Aruba; Curaçao; St. Eustatius; St. Martin; Saba; *Passiflora foetida*; *Corchorus hirsutus*; *Achyranthes aspera*; *Piriiqueta ovata*; *Sida procumbens*].

Corythaica constricta Osborn and Drake 1917b, p. 304 [Colo.].

Dolichocysta constricta: Gibson 1919c, p. 103.

TYPE: Sex unknown; Mount Gay Estate, Grenada, British West Indies; British Mus.

DISTRIBUTION: Windward Islands (Grenada; St. Vincent); Haiti; Dominican Republic; Jamaica; Puerto Rico; Trinidad; Cuba; Netherlands Antilles (Aruba; Curaçao); Leeward Islands (St. Eustatius; Saba; St. Martin); Honduras; Guatemala; Mexico; U.S. (Tex.; Colo.; Fla.).

HOST PLANTS: *Achyranthes aspera*; *Althaea rosea*; *Corchorus hirsutus*; *Passiflora foetida*; *Piriiqueta ovata*; *Sida procumbens*; *Solanum melongena*.

***Corythaica costata** Gibson

Corythaica costata Gibson 1919c, p. 99 [Peru; cotton].—Fenton 1934, p. 199.—Monte 1940e, p. 284 [Ecuador; *Lycopersicum esculentum*]; 1943c, p. 114 [*Gossypium*].—Drake and Hambleton 1942a, p. 330; 1945, p. 366 [Colombia].—Hurd 1945, pp. 82, 94, pl. 1, fig. 4.

TYPE: Holotype ♂, macropterous; Santa Clara, Peru; USNM.

DISTRIBUTION: Peru; Ecuador; Colombia.

HOST PLANTS: *Gossypium* sp.; *Lycopersicum esculentum*.

***Corythaica cucullata** (Berg)

Leptobyrsa cucullata Berg 1879a, p. 41 [Argentina]; 1879b, p. 135.—Pennington 1921, p. 20.

Corythaica cucullata: Drake and Poor 1938b, p. 108, fig. 2.—Monte 1940e, p. 284 [*Sphaeralcea miniata*]; 1943c, p. 114.—Hurd 1945, pp. 82, 87, fig. 1.

TYPE: Sex unknown; Buenos Aires Province, Argentina; La Plata Mus.

DISTRIBUTION: Argentina.

HOST PLANT: *Sphaeralcea miniata*.

***Corythaica cyathicollis** (Costa)

Tingis cyathicollis Costa 1864, p. 146, pl. 2, fig. 4.

Corythaica monacha (not Stål 1858): Stål 1873, p. 128 (in part).—Jones 1915, p. 4 [Puerto Rico; eggplant; *Solanum torvum*].—Cotton 1917, p. 170.—Gibson 1919c, p. 99 [*Solanum melongena*; *Ricinus communis*] (in part).—Wolcott 1923, p. 246.—Townsend 1928, p. 19, fig. 20.—Bosq 1937, p. 128.

Leptobyrsa passiflorae Berg 1884, p. 102 [Argentina; *Passiflora caerulea*].—Pennington 1921, p. 20.

Typonotus planaris Uhler 1893a, p. 716 [St. Vincent]; 1894a, p. 203 [Grenada].—Champion 1897, p. 9.

Corythaica planaris: Drake and Bruner 1924a, p. 151.—Drake 1932, p. 100 [Canal Zone].—Drake and Hambleton 1934, p. 451 [Brazil; *Solanum tuberosum*; *Solanum sisymbriifolium*; *Lycopersicum esculentum*; *Solanum racemiflorum*].—Costa Lima 1936, p. 126.—Monte 1937a, p. 31, fig. 9 [*Solanum balbisii*]; 1937b, p. 79, fig. [*Solanum lycopersicum*; *Solanum gilo*]; 1937c, p. 72; 1938d, p. 391.—Drake and Poor 1937d, p. 311.—Bosq 1937, p. 128 [*Solanum bonariense*; *Solanum elaeagnifolium*].—Barber 1939, p. 369 [St. Thomas].—Soares 1941, p. 262, figs. 2, 5, 6, 7.—Gomez-Menor 1956a, p. 112.

Corythaica planaria [sic]: Drake 1935, p. 20.

Corythaica cyathicollis: Drake and Poor 1938b, p. 108.—Monte 1939b, p. 67 [*Solanum juripeba*]; 1940d, p. 105 [*Solanum quitoense*]; 1941e, p. 86 [*Solanum variable*].—Drake and Hambleton 1945, p. 366 [Colombia].—Hurd 1945, pp. 82, 84, pl. 1, fig. 5 [Martinique; tobacco; cabbage].—Silva 1956, p. 21, fig. 5 [*Solanum paniculatum*; *Solanum*

pulverulentum].—Drake and Cobben 1960, p. 89 [Aruba; Curaçao; St. Eustatius; Saba; St. Martin; *Solanum racemosum*; *Solanum argillicolum*; *Solanum nigrum americanum*].

Corythaica passiflorae: Monte 1942d, p. 110; 1943c, pp. 113–120, fig. [Cuba; *Solanum hirtum*; *Solanum grandiflorum*]; 1945b, p. 36, fig. [*Solanum tabacifolium*]; 1947a, p. 233, fig.—Bruner, Scaramuzza and Otero 1945, p. 168.

TYPE: Presumably lost.

DISTRIBUTION: Windward Islands (Martinique; St. Vincent; Grenada); Cuba; Puerto Rico; Virgin Islands (St. Thomas); Netherlands Antilles (Aruba; Curaçao); Leeward Islands (Saba; St. Martin; St. Eustatius); Panama (Canal Zone); Colombia; Venezuela; Brazil; Peru; Argentina.

HOST PLANTS: *Lycopersicum esculentum*; *Passiflora caerulea*; *Ricinus communis*; *Solanum argillicolum*; *Solanum balbisii*; *Solanum bonariense*; *Solanum elaeagnifolium*; *Solanum gilo*; *Solanum grandiflorum*; *Solanum hirtum*; *Solanum juripeba*; *Solanum lycopersicum*; *Solanum melongena*; *Solanum nigrum* v. *americanum*; *Solanum paniculatum*; *Solanum pulverulentum*; *Solanum quitoense*; *Solanum racemiflorum*; *Solanum racemosum*; *Solanum sisymbriifolium*; *Solanum tabacifolium*; *Solanum torvum*; *Solanum tuberosum*; *Solanum variabile*; cabbage; tobacco.

NOTE: Life history studies [Cotton; Monte 1943c, 1945b]; predators and parasites [Cotton; Soares].

**Corythaica cytharina* (Butler)

Monanthia cytharina Butler 1877, p. 90 [James Island].

Leptostyla cytharina: Distant 1902b, p. 354.—Champion 1924, p. 260.

Corythaica renormata Barber 1925, p. 251 [Daphne Major].

Corythaica cytharina: Barber 1934, p. 286.—Hurd 1945, pp. 82, 86, figs. 2a, b.

TYPE: Sex unknown; James Island, Galapagos Islands; British Mus.

DISTRIBUTION: Galapagos Islands (James; Daphne Major).

HOST PLANT: Unrecorded.

**Corythaica monacha* (Stål)

Tingis monacha Stål 1858, p. 64 [Brazil].

Corythaica monacha: Stål 1873, p. 128 (in part).—Gibson 1919c, p. 99 (in part).—Drake and Bruner 1924a, p. 151.—Drake 1926b, p. 378; 1936b, p. 700 [Argentina].—Costa Lima 1930, p. 84; 1936, p. 126.—Drake and Hambleton 1934, p. 450 [*Sida glomerata*].—Drake and Poor 1937d, p. 311 [Chile].—Monte 1937a, p. 30, fig. 8 [*Sida cordifolia*; *Gossypium*]; 1943c, p. 115 [*Sida rhombifolia*; *Richardia brasiliensis*].—Soares 1941, p. 263, figs. 1, 3, 4.—Hurd 1945, p. 82, pl. 1, fig. 6 [Venezuela].—Blöte 1945, p. 85.—Silva 1956, p. 24, fig. 6 [*Sida ulmifolia*].

Corythaica monacha [sic]: Drake 1930a, p. 1; 1935, p. 20 [Paraguay].

TYPE: Sex unknown; Brazil; Stockholm Mus.

DISTRIBUTION: Brazil; Paraguay; Venezuela; Argentina; Chile; Peru.

HOST PLANTS: *Gossypium* sp.; *Richardia brasiliensis*; *Sida cordifolia*; *Sida glomerata*; *Sida rhombifolia*; *Sida ulmifolia*; tomato.

NOTE: Parasites [Soares].

**Corythaica smithi* Drake

Corythaica smithi Drake 1921b, p. 50, pl. 1, figs. a, a' [Colombia].—Hurd 1945, pp. 81, 95, pl. 1, figs. 7, 7a.

TYPE: Sex unknown; Bonda, Colombia; Carnegie Mus.

DISTRIBUTION: Colombia.

HOST PLANT: Unrecorded.

**Corythaica umbrosa* (Monte)

Leptotisingis umbrosa Monte 1938b, p. 128 [Brazil; *Richardia brasiliensis*]; 1939b, p. 76 [*Diodia conferta*]; 1940c, p. 193.

Corythaica umbrosa: Monte 1942d, p. 105, fig. 1; 1943c, p. 115.—Drake and Hambleton 1942a, p. 330.—Hurd 1945, pp. 81, 95, fig. 4 [Paraguay].

TYPE: Holotype ♂; Belo Horizonte, Minas Gerais, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil; Paraguay.

HOST PLANTS: *Diodia conferta*; *Richardia brasiliensis*.

**Corythaica venusta* (Champion)

Dolichocysta venusta Champion 1898b, p. 57, pl. 2, figs. 1, 1a [Mexico].—Heidemann 1899a, p. 339 [Mont.; Tex.].—Drake 1917a, p. 214 [Colo.].—Gibson 1919c, p. 102 [Calif.].—Monte 1942d, p. 112.—Perkins and Swezey 1924, p. 52 [*Lantana*].

Dolichocysta magna Gibson 1919c, p. 102 [S. Dak.; Nebr.].

Dolichocysta densata Gibson 1919c, p. 102.—Monte 1942d, p. 112, fig. 3.

Dolichocysta obscura Van Duzee 1923, p. 140.

Corythaica venusta: Hurd 1945, pp. 81, 90, pl. 1, figs. 8, 8a [Ariz.; N. Mex.; Kans.; *Eriogonum*; *Salsola pestifer*].

TYPE: Sex unknown; Guadalupe, Lower California, Mexico; Vienna Mus.

DISTRIBUTION: Mexico; U.S. (Ariz.; N. Mex.; Tex.; Calif.; Colo.; S. Dak.; Kans.; Nebr.; Mont.); Canada (B.C.).

HOST PLANTS: *Eriogonum* sp.; *Lantana* sp.; *Salsola pestifer*.

Genus CORYTHAUMA Drake and Poor

Corythauma Drake and Poor 1939c, p. 206.—Drake and Ruhoff 1960a, p. 48.

TYPE SPECIES: *Leptopharsa ayyari* Drake.

***Corythauma ayyari** (Drake)

Leptopharsa ayyari Drake 1933, p. 1016 [India; jasmine].

Corythauma ayyari: Drake and Poor 1939c, p. 206 [*Lantana*].

TYPE: Holotype ♀, macropterous; S. Arcot, Cuddalore, Madras Presidency, India; Drake Coll. (USNM).

DISTRIBUTION: India; Penang Island.

HOST PLANTS: *Jasminum pubescens*; *Lantana* sp.; chamela leaves.

***Corythauma varia** Drake and Maa

Corythauma ayyari var. *varia* Drake and Maa 1953, p. 95 [India].

Corythauma varia: Drake and Ruhoff 1962a, p. 156.

TYPE: Holotype ♀, macropterous; Trichinopoly, Madras, India; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

Genus CORYTHOTINGIS Drake and Poor

Corythotising Drake and Poor 1943, p. 195.—Drake and Ruhoff 1960a, p. 48.

TYPE SPECIES: *Corythotising zimmermani* Drake and Poor.

Corythotising zimmermani Drake and Poor

Corythotising zimmermani Drake and Poor 1943, p. 196, fig. 3 [Fiji].

TYPE: Holotype ♂; Mt. Korobamba, Viti Levu, Fiji; Bishop Mus.

DISTRIBUTION: Fiji Islands (Viti Levu).

HOST PLANT: Unrecorded.

Genus CORYTHUCHA Stål

Corythucha Stål 1873, pp. 119, 122.—Champion 1897, p. 6 (key).—Osborn and Drake 1916a, p. 224 (key).—Van Duzee 1916, p. 25; 1917b, p. 212.—Gibson 1918, pp. 64–104 (key).—Parshley 1919b, p. 70; 1923b, p. 699.—Britton 1920, p. 77.—Barber 1922a, p. 16; 1922b, p. 19.—Drake 1922d, p. 64; 1928b, p. 100.—McAtee 1923, p. 147.—Downes 1925, p. 14; 1927a, p. 10.—Torre-Bueno 1929, p. 311.—Knowlton 1933, p. 262.—Monte 1941e, p. 88.—Froeschner 1944, pp. 646, 667.—Hurd 1946, p. 482.—Bailey 1951, p. 62.—Ash 1954, p. 185.—Gibson and Carrello 1959, p. 19.—Drake and Ruhoff 1960a, p. 48.

Corythucha [sic]: Uhler 1886, p. 22.—Lethierry and Severin 1896, p. 10.—Torre-Bueno 1908, p. 232; 1910, p. 30.—Banks 1910, p. 55.—Smith 1910, p. 148.—Blatchley 1926, p. 453 (key).—Blöte 1945, p. 82.

TYPE SPECIES: *Tingis fuscigera* Stål.

***Corythucha abdita** Drake

Corythucha abdita Drake 1948j, p. 435 [Guatemala].

TYPE: Holotype ♂, macropterous; S. Geronimo, Guatemala; Drake Coll. (USNM).

DISTRIBUTION: Guatemala.

HOST PLANT: Unrecorded.

***Corythucha acculta** Drake and Poor

Corythucha acculta Drake and Poor 1942, p. 302 [Argentina].

TYPE: Holotype ♂; Tucumán, Argentina; Argentina Mus.

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

***Corythucha aesculi** Osborn and Drake

Corythucha aesculi Osborn and Drake 1916a, p. 232, pl. 8, fig. g [*Aesculus glabra*; Ohio]; 1917b, p. 304 [Ill.; Ky.].—Gibson 1918, pp. 71, 76, 78 [*Aesculus hippocastanum*].—Drake 1928b, p. 101 [N.Y.].—Stehr 1938, p. 13, figs. 1–3, tables 1–10 [*Aesculus octandra*].—Froeschner 1944, p. 668 [Mo.].

Corythucha fuscigera (not Stål): Gibson 1918, p. 78 (in part).

Corythucha aesculi: Blatchley 1926, p. 465 [Ind.; Fla.].

TYPE: Holotype ♀, macropterous; Columbus, Ohio, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Ohio; Ind.; Ill.; Iowa; Mo.; Ky.; Ark.; W. Va.; Va.; D.C.; Md.; N.C.; Fla.; N.Y.; Conn.).

HOST PLANTS: *Aesculus glabra*; *Aesculus hippocastanum*; *Aesculus octandra*.

NOTE: Life history study [Stehr]; predators [Stehr].

***Corythucha agalma** Drake and Cobben

Corythucha decens (not Stål): Champion 1897, p. 7 (in part).

Corythucha agalma Drake and Cobben 1960, pp. 68, 96, fig. 88b [Saba; Guatemala; *Vernonia*].

TYPE: Holotype ♀, macropterous; Hellsgate, Saba; Drake Coll. (USNM).

DISTRIBUTION: Leeward Islands (Saba); Guatemala.

HOST PLANT: *Vernonia* sp.

***Corythucha arcuata** (Say)

Tingis arcuata Say 1832, p. 27.—Fitch 1858, p. 794.—Le Conte 1859, p. 350.—Walker 1873a, p. 180.—Uhler 1878a, p. 415 (in part).

Corythucha arcuata: Stål 1873, p. 123 [Tex.; Ill.].—Osborn and Drake 1916a, p. 227, pl. 9 [Ohio]; 1917b, p. 297 [Wis.; Iowa; *Quercus macrocarpa*].—Parshley 1917b, p. 54 [N.H.; Mass.; R.I.; Conn.]; 1922b, p. 11 [S. Dak.].—Van Duzee 1917b, p. 212 [Que.; Ont.; N.J.; D.C.; Ala.; N.C.].—Gibson 1918, pp. 72, 75, 101.—Barber and Weiss 1922, p. 5, fig. 1.—Hussey 1922a, p. 11 [N. Dak.]; 1922b, p. 23 [*Quercus muehlenbergii*; Mich.].—Knowlton 1933, p. 262

[Utah].—Froeschner 1944, p. 667 [Mo.].—Bailey 1951, p. 63 [Va.; Vt.; *Quercus prinoides*].—Feldman and Bailey 1952, pp. 98, 99, 102, 103, fig. 6.

Corythuca arcuata: Uhler 1884, p. 284, fig. 327 [Canada; oaks].—Summers 1891, p. 90, fig. 11 (fig. only).—Gillette and Baker 1895, p. 57 [Colo.].—Morrill 1903, p. 127, pl. 3 [*Quercus alba*; *Quercus acuminata*; *Quercus prinus*; *Quercus rubra*].—Parshley 1914, p. 145 [Maine].—Blatchley 1926, p. 464, fig. 103 [Ind.].

Corythuca ciliata (not Say): Provancher 1886, p. 158.—Van Duzee 1912, p. 323.

Corythuca juglandis (not Fitch): Provancher 1886, p. 158.—Van Duzee 1912, p. 323.

Corythucha polygrapha Lintner 1888, p. 109 [N.Y.; Md.; *Castanea americana*].

Corythuca arquata [sic]: Van Duzee 1889, p. 5; 1894, p. 181.

Corythuca polygraphia [sic]: Banks 1910, p. 56.

Corythucha mali Gibson 1918, pp. 71, 77, 98.

Corythucha piercei Gibson 1918, pp. 72, 77, 85 [Ariz.; *Quercus*].

Corythucha arcuata var. *mali*: Drake 1921b, p. 54 [apple; maple].—Parshley 1922b, p. 11.

Corythuca arcuata var. *mali*: Blatchley 1926, p. 465 [rose].

TYPE: Apparently lost.

DISTRIBUTION: U.S. (Maine; N.H.; Mass.; Vt.; R.I.; Conn.; N.Y.; N.J.; Pa.; Md.; D.C.; Va.; N.C.; S.C.; Ga.; Ala.; Miss.; Ohio; Ill.; Ind.; Mo.; Mich.; Wis.; Nebr.; Minn.; Iowa; N. Dak.; S. Dak.; Colo.; Utah; Ariz.; N. Mex.; Tex.); Canada (Que.; Ont.).

HOST PLANTS: Primary host plants—*Quercus acuminata*; *Quercus alba*; *Quercus macrocarpa*; *Quercus muehlenbergii*; *Quercus prinoides*; *Quercus prinus*; *Quercus rubra*; *Quercus* sp.; *Castanea americana*; occasionally found feeding and breeding on *Pyrus malus*; maple; wild rose.

NOTE: Life history studies [Morrill; Bailey]; nymphs [Barber and Weiss]; ovipositors [Feldman and Bailey].

Corythucha argentinensis Monte

Corythucha argentinensis Monte 1940c, p. 297 [Argentina].

TYPE: Holotype ♂; Resistencia, Argentina; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

**Corythucha associata* Osborn and Drake

Corythucha associata Osborn and Drake 1916b, p. 14 [Tenn.; *Prunus serotina*]; 1917b, p. 304 [Ga.; N.Y.; D.C.].—Gibson 1918, pp. 71, 74, 79 [peach].—Drake 1921b, p. 54 [Ohio; Md.]; 1925c, p. 36 [Miss.].—

Barber and Weiss 1922, p. 9.—McAtee 1923, p. 147 [Va.].—Bailey 1951, p. 66 [Conn.].

Corythucha spinulosa Gibson 1918, pp. 71, 75, 79 [N.J.].—Dickerson and Weiss 1918, p. 121, pl. 7.

Corythucha fuscigera (not Stål): Gibson 1918, p. 78 (in part).

Corythucha associata: Blatchley 1926, p. 456 [Ind.; Pa.].

TYPE: Holotype ♂, macropterous; Clarksville, Tennessee, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (R.I.; Conn.; N.Y.; N.J.; Md.; D.C.; Va.; Ga.; Ala.; S.C.; Miss.; Tenn.; Ohio; Pa.; Ind.; Ill.; Iowa).

HOST PLANTS: *Prunus serotina*; *Prunus persica*.

NOTE: Life history studies [Bailey; Dickerson and Weiss; Barber and Weiss].

***Corythucha baccharidis** Drake

Corythucha baccharidis Drake 1922b, p. 37 [Fla.; *Baccharis*].

Corythucha baccharidis: Blatchley 1926, p. 463 [*Baccharis halimifolia*].

TYPE: Holotype ♂, macropterous; Paradise Keys, Florida, U.S.; USNM.

DISTRIBUTION: U.S. (Fla.; Miss.; Tex.).

HOST PLANTS: *Baccharis halimifolia*; *Baccharis* sp.

***Corythucha bellula** Gibson

Corythucha bellula Gibson 1918, pp. 72, 75, 93 [Ohio; *Crataegus*].—Wellhouse 1919, p. 441, figs. 24, 25 [N.Y.; *Crataegus neofluvialis*; *Crataegus albicans*; *Crataegus punctata*].—Drake 1922d, p. 64 [alder]; 1928b, p. 101 [*Crataegus pruinosa*; *Alnus incana*; *Ribes oxycanthoides*].—Bailey 1951, p. 67 [Vt.; Maine; *Corylus*]; 1959, p. 65 [N.H.].

Corythucha bellula: Blatchley 1926, p. 458.

TYPE: Holotype ♀, macropterous; Tiffin, Ohio, U.S.; USNM.

DISTRIBUTION: U.S. (Maine; N.H.; Vt.; N.Y.; Ohio).

HOST PLANTS: *Alnus incana*; *Corylus* sp.; *Crataegus albicans*; *Crataegus neofluvialis*; *Crataegus pruinosa*; *Crataegus punctata*; *Crataegus* sp.; *Ribes oxycanthoides*.

NOTE: Life history study [Wellhouse].

Corythucha boliviana Monte

Corythucha boliviana Monte 1946c, p. 27 [Bolivia].

TYPE: Holotype ♂; La Paz, Bolivia; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Bolivia.

HOST PLANT: Unrecorded.

***Corythucha brunnea** Gibson

Corythucha brunnea Gibson 1918, pp. 72, 75, 93 [La.; Tex.; *Crataegus*].

TYPE: Holotype ♀, macropterous; Alexandria, Louisiana, U.S.; USNM.

DISTRIBUTION: U.S. (La.; Tex.; Miss.; Ill.).

HOST PLANT: *Crataegus* sp.

***Corythucha bulbosa** Osborn and Drake

Corythucha bulbosa Osborn and Drake 1916a, p. 232, pl. 8, fig. c [Ohio; Md.]; 1917b, p. 304 [*Staphylea trifolia*].—McAtee 1917b, p. 79; 1923a, p. 147 [D.C.].—Gibson 1918, pp. 71, 74, 77 [Va.].—Barber and Weiss 1922, p. 9.—Barber 1922a, p. 16 [N.J.].

Corythucha bulbosa: Weiss 1919a, p. 17 [Pa.].—Blatchley 1926, p. 455 [Ind.].

TYPE: Holotype ♀, macropterous; Sugar Grove, Ohio, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Ohio; Mo.; Ind.; Ill.; Pa.; N.J.; Md.; D.C.; Va.).

HOST PLANT: *Staphylea trifolia*.

NOTE: Life history study [Weiss].

***Corythucha caelata** Uhler

Corythucha caelata Uhler 1894b, p. 279 [Mexico].—Banks 1910, p. 55 [Calif.].

Corythucha caelata: Gibson 1918, pp. 71, 77, 101 (in part).

Corythucha compta Drake and Hambleton 1944a, p. 96.

TYPE: Lectotype ♂, macropterous; "S. Cal."; Cal. Acad.

DISTRIBUTION: Mexico (San Esteban, Baja California); U.S. (Calif.).

HOST PLANT: Taken on pods of *Yucca arborescens*.

***Corythucha caryae** Bailey

Corythucha caryae Bailey 1951, p. 68, fig. 3 [Mass.; N.H.; *Carya ovata*]; 1959, p. 65 [R.I.; *Carya*].—Feldman and Bailey 1952, pp. 98, 100, 102, 103, fig. 12.

TYPE: Holotype ♂; Newbury, Massachusetts, U.S.; MCZ.

DISTRIBUTION: U.S. (Mass.; N.H.; R.I.).

HOST PLANTS: *Carya ovata*; *Carya* sp.

NOTE: Parasites [Bailey 1951]; ovipositors [Feldman and Bailey].

***Corythucha celtidis** Osborn and Drake

Corythucha celtidis Osborn and Drake 1916a, p. 227 [Ohio; hackberry].—Gibson 1918, pp. 72, 77, 84.—Drake 1919a, p. 418 [Ky.; Tenn.; S.C.]; 1925c, p. 37 [*Celtis occidentalis*].—Weiss 1921, p. 104 [N.J.].—Barber and Weiss 1922, p. 8.—McAtee 1923, p. 148 [Md.].

Corythucha celtidis: Blatchley 1926, p. 468 [Ind.].

TYPE: Sex unknown; Columbus, Ohio, U.S.; Ohio State Univ.

DISTRIBUTION: U.S. (Ohio; Iowa; Ill.; Ind.; Ky.; Tenn.; Ga.; N.C.; S.C.; Md.; N.J.).

HOST PLANT: *Celtis occidentalis*.

NOTE: Life history study [Weiss].

***Corythucha celtidis var. mississippiensis** Drake

Corythucha celtidis var. *mississippiensis* Drake 1925c, p. 36 [Miss.; Ga.; S.C.; Tenn.; *Celtis mississippiensis*].

Corythucha celtidis var. *mississippiensis*: Blatchley 1926, p. 468.

TYPE: Holotype ♂, macropterous; Columbus, Mississippi, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Miss.; Ga.; Tenn.; S.C.).

HOST PLANT: *Celtis mississippiensis*.

**Corythucha cerasi* Drake

Corythucha cerasi Drake 1948j, p. 435 [Wash.; Ind.; cherry; oak].

TYPE: Holotype ♂, macropterous; Wenatchee, Washington, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Wash.; Ind.).

HOST PLANTS: Cherry; oak.

**Corythucha championi* Drake and Cobben

FRONTISPIECE

Corythucha decens (not Stål): Champion 1897, p. 7, pl. 1, figs. 7, 7a (in part) [Guatemala].—Gibson 1918, pp. 74, 96 [Panama].—Drake 1926b, p. 379.—Drake and Hambleton 1945, p. 366; 1946b, p. 123.

Corythucha championi Drake and Cobben 1960, pp. 68, 93, figs. 88a, 89 [Curaçao; *Abutilon umbellatum*; *Ayenia magna*].

TYPE: Holotype ♂, macropterous; Groot St. Jeris, Curaçao, Netherlands Antilles; Drake Coll. (USNM).

DISTRIBUTION: Netherlands Antilles (Curaçao); Mexico; Guatemala; Colombia; El Salvador; U.S. (Pa.).

HOST PLANTS: *Abutilon umbellatum*; *Ayenia magna*.

**Corythucha ciliata* (Say)

Tingis ciliata Say 1832, p. 27.—Fitch 1858, p. 793.—Le Conte 1859, p. 348.—Walker 1873a, p. 180.—Uhler 1878, p. 414 [Ala.; Md.; sycamore].

Tingis hyalina Herrich-Schaeffer 1840, p. 84, pl. 173, fig. 532 [Carolina]; 1850, p. 161.—Fieber 1844, p. 103, pl. 9, figs. 1–4.—Walker 1873a, p. 180.

Corythucha ciliata: Stål 1873, p. 123 [Ill.; N.J.].—Osborn and Drake 1916a, p. 225, pl. 8, fig. h [Ohio]; 1917b, p. 297 [Iowa; Tex.].—Parshley 1917b, p. 53 [Conn.; R.I.]; 1923b, p. 702.—Van Duzee 1917b, p. 212 [Que.; Ont.; D.C.].—Wade 1917, p. 3, figs. 3–7 [Okla.].—Gibson 1918, pp. 75, 102.—Drake 1919a, p. 418 [Mo.; *Fraxinus*; *Carya ovata*; *Broussonetia papyrifera*].—Kotinsky 1921, p. 74, fig. 53.—Barber and Weiss 1922, p. 4.—Hussey 1922b, p. 23 [Mich.].—Felt 1933, p. 49.—Froeschner 1944, p. 667.—Bailey 1951, p. 72 [Vt.; *Chamaedaphne*].—Feldman and Bailey 1952, pp. 98, 100, 102, 103, fig. 13.

Corythucha hyalina: Stål 1873, p. 123.

Corythucha ciliata: Lintner 1888, p. 107 [N.Y.; *Platanus occidentalis*].—Cockerell 1893, p. 364 [Colo.].—Van Duzee 1894, p. 181.—Gillette and Baker 1895, p. 57.—Morrill 1903, p. 133 [Mass.].—Wirtner 1904, p. 202 [Pa.].—Smith 1910, p. 148.—Weiss 1913, p. 407.—

Parshley 1914, p. 145 [Maine].—Blatchley 1926, p. 458 [Ind.].—Blöte 1945, p. 82 [Va.].

Corythuca ciliati [sic]: Summers 1891, p. 90 [Tenn.].

TYPE: Unknown.

DISTRIBUTION: U.S. (Colo.; Okla.; Tex.; Iowa; Mo.; Mich.; Ill.; Ohio; Ind.; Pa.; N.Y.; N.J.; Md.; D.C.; Va.; N.C.; Ala.; Ga.; Fla.; Tenn.; Mass.; R.I.; Conn.; Vt.; Maine); Canada (Ont.; Que.).

HOST PLANTS: Primary host *Platanus occidentalis*; also found on *Broussonetia papyrifera*; *Carya ovata*; *Chamaedaphne* sp.; *Fraxinus* sp.

NOTE: Life history studies [Morrill; Wade; Bailey]; ovipositor [Feldman and Bailey].

***Corythucha clara** Drake and Hambleton

Corythucha clara Drake and Hambleton 1938a, p. 66 [Brazil].—Monte 1941c, p. 88 [Urticaceae].

TYPE: Holotype ♂, macropterous; Rio Claro, São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Urticaceae.

***Corythucha confraterna** Gibson

Corythucha confraterna Gibson 1918, pp. 72, 75, 102 [Calif.; Mexico; *Platanus*].

TYPE: Holotype ♀, macropterous; Los Angeles, California, U.S.; USNM.

DISTRIBUTION: U.S. (Calif.; Ariz.); Mexico.

HOST PLANT: *Platanus* sp.

***Corythucha coryli** Osborn and Drake

Corythucha coryli Osborn and Drake 1917b, p. 299 [Md.; *Corylus americana*].—Gibson 1918, pp. 72, 74, 92.—McAtee 1923, p. 148 [Va.].—Bailey 1951, p. 73 [Mass.; *Ostrya virginiana*]; 1959, p. 66 [Conn.; N.H.; R.I.; *Corylus*].—Feldman and Bailey 1952, pp. 98, 100, 102, fig. 15.

Corythuca coryli: Blatchley 1926, p. 455 [N.J.; Ind.].

TYPE: Holotype ♀, macropterous; Plummer's Island, Maryland, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Md.; D.C.; Va.; Iowa; Ill.; Kans.; Nebr.; Ind.; N.J.; Mass.; Conn.; R.I.; N.H.).

HOST PLANTS: *Corylus americana*; *Corylus* sp.; *Ostrya virginiana*.

***Corythucha cydoniae** (Fitch)

Tingis cydoniae Fitch 1861, p. 114, fig. [Mass.; quince].

Corythuca arcuata (not Say): Comstock 1880, p. 221 [D.C.; *Crataegus cordata*; *Crataegus coccinea*; *Crataegus tomentosa*; *Crataegus crusgalli*; *Crataegus parvifolia*].—Lintner 1888, p. 108, figs. 42, 43.—Wirtner 1904, p. 202 [Pa.].

Corythuca arcuata var. *crataegi* Morrill 1903, p. 132.

Corythuca cydoniae: Banks 1910, p. 56 [N.Y.].—Blatchley 1926, p. 455, fig. 99 [Ind.; Ont.].

Corythucha crataegi: Osborn and Drake 1916a, p. 229, pl. 8, fig. f [Ohio]; 1917b, p. 300 [Tex.; Colo.; Md.; Va.; S.C.; Ga.; S. Dak.; Iowa; Nebr.; Wis.].—Parshley 1917b, p. 54 [Conn.]; 1917c, p. 47.—McAtee 1917b, p. 78 [*Amelanchier*; *Cephalanthus*].

Corythucha cydoniae: Gibson 1918, pp. 72, 75, 87 [Canada; *Amelanchier intermedia*; *Cydonia vulgaris*].—Barber 1922a, p. 16 [N.J.].—Hussey 1922a, p. 11 [N. Dak.; Mich.; *Amelanchier canadensis*].—McAtee 1923, p. 148 [*Cephalanthus occidentalis*].—Torre-Bueno 1926a, p. 54; 1933, p. 228 [*Quercus*; Ark.].—Froeschner 1944, p. 667 [Mo.].—Sailer 1945, p. 81.—Bailey 1951, p. 74, graphs 1, 2 [*Chaenomeles*; *Pyrus americana*; *Pyrus melanocarpa*; *Pyrus aucuparia*; *Pyracantha coccinea*; *Malus*; loquat; pear]; 1959, p. 66 [R.I.; *Cotoneaster hupehensis*].—Feldman and Bailey 1952, pp. 96, 98, 100, 102, 103, figs. 3, 7.—Ash 1954, p. 185.

Corythucha occidentalis Drake (in Gibson 1918, pp. 74, 91) [Calif.].

TYPE: Leominster, Massachusetts, U.S.; sex and deposition of type unknown.

DISTRIBUTION: U.S. (Maine; R.I.; Mass.; Conn.; Vt.; N.Y.; N.J.; Pa.; Md.; D.C.; Va.; S.C.; Ala.; Ga.; Ark.; Tex.; Nebr.; Mich.; Wis.; Ohio; Ind.; Mo.; Idaho; Iowa; Colo.; S. Dak.; N. Dak.; Utah; Wash.; Calif.); Canada (Ont.); Mexico.

HOST PLANTS: *Amelanchier canadensis*; *Amelanchier intermedia*; *Amelanchier* sp.; *Cephalanthus occidentalis*; *Cephalanthus* sp.; *Chaenomeles* sp.; *Cotoneaster hupehensis*; *Crataegus coccinea*; *Crataegus cordata*; *Crataegus crusgalli*; *Crataegus parvifolia*; *Crataegus tomentosa*; *Crataegus* sp.; *Cydonia vulgaris*; *Pyracantha coccinea*; *Pyrus americana*; *Pyrus aucuparia*; *Pyrus melanocarpa*; *Malus* sp.; *Quercus* sp.; loquat; pear.

NOTE: Life history studies [Comstock; Bailey]; bite to man [Sailer].

**Corythucha decepta* Drake

Corythucha decepta Drake 1932, p. 100 [Mexico]; 1938a, p. 70 [*Alnus acuminata*].—Monte 1947a, p. 237.

Corythucha deceptiva [sic]: Drake and Hambleton 1945, p. 366 [Guatemala].

TYPE: Holotype ♂; San Miguel, Hidalgo, Mexico; MCZ.

DISTRIBUTION: Mexico; Guatemala.

HOST PLANT: *Alnus acuminata*.

**Corythucha distincta* Osborn and Drake

Corythucha sp. Cockerell 1893, p. 364 [Colo.; *Cnicus*].

Corythuca fuscigera (not Stål): Gillette and Baker 1895, p. 57.

Corythucha distincta Osborn and Drake 1916b, p. 13; 1917b, p. 301

[Wash.; Mont.; Wyo.; Utah; Calif.; *Carduus lanceolatus*].—Gibson 1918, pp. 72, 75, 81.—Parshley 1919a, p. 18 [B.C.; hollyhock]; 1922b, p. 11 [S. Dak.].—Downes 1925, p. 15, fig. 5; 1927a, p. 10 [*Lathyrus nuttallii*].

TYPE: Sex unknown; Colorado, U.S.; Ohio State Univ.

DISTRIBUTION: U.S. (Calif.; Wash.; S. Dak.; Wyo.; Mont.; Utah; Colo.); Canada (B.C.).

HOST PLANTS: *Carduus lanceolatus*; *Cnicus* sp.; *Lathyrus nuttallii*; hollyhock.

**Corythucha distincta* var. *spinata* Osborn and Drake

Corythucha distincta var. *spinata* Osborn and Drake 1917b, p. 301, figs. 1 a, b [Mont.; *Carduus*].

TYPE: Holotype ♀, macropterous; Florence, Montana, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Mont.).

HOST PLANT: *Carduus* sp.

NOTE: This may not be a good variety.

**Corythucha elegans* Drake

Corythucha elegans Drake (in Gibson 1918, pp. 73, 75, 89) [Colo.; N.Y.; *Salix*]; 1919b, p. 159 [Ont.; Mich.; *Populus balsamifera*]; 1922d, p. 65, figs. 25 a, b, 26 [*Populus tremuloides*; *Populus grandidentata*].—Torre-Bueno 1929, p. 311 [Mass.].—Hurd 1946, p. 483 [Wis.].

Corythucha elegans: Blatchley 1926, p. 456, fig. 102a.

TYPE: Holotype ♀, macropterous; Poudre Canyon, Colorado, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Colo.; Wis.; Mich.; N.Y.; Mass.); Canada (Ont.; B.C.; Sask.; Man.).

HOST PLANTS: Primary host *Salix* sp.; also breeds to some extent on *Populus balsamifera*; *Populus grandidentata*; *Populus tremuloides*.

NOTE: Eggs and instars [Drake 1919b]; predators [Drake 1919b].

**Corythucha eriodictyonae* Osborn and Drake

Corythucha eriodictyonae Osborn and Drake 1917b, p. 302 [Calif.; *Eriodictyon californicum*].—Van Duzee 1917a, p. 258.—Gibson 1918, pp. 77, 99.

Corythucha erydictyonae [sic]: Drake and Davis 1960, fig. 71.

TYPE: Holotype ♂, macropterous; San Francisquito Cr., San Mateo Co., California, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Calif.).

HOST PLANT: *Eriodictyon californicum*.

**Corythucha floridana* Heidemann

Corythucha floridana Heidemann 1909, p. 236, fig. [Fla.; *Cephalanthus*].—Van Duzee 1909, p. 173.—Blatchley 1926, p. 459, fig. 101.

Corythucha floridana: Osborn and Drake 1917b, p. 300 [oak].—Gibson 1918, pp. 76, 101.

TYPE: Holotype ♂, macropterous; Biscayne Bay, Florida, U.S.; USNM.

DISTRIBUTION: U.S. (Fla).

HOST PLANTS: *Cephalanthus occidentalis*; *Cephalanthus* sp.; oak.

**Corythucha fuscigera* (Stål)

Tingis fuscigera Stål 1862, p. 323 [Mexico].

Monanthia lucida Walker 1873a, p. 191.

Corythucha fuscigera: Stål 1873, p. 122.—Champion 1897, p. 7, pl. 1, figs. 6, 6a [Calif.; Guatemala]; 1898b, p. 57.—Van Duzee 1914, p. 11 [chaparral]; 1917a, p. 258 [*Hosackia crassifolia*].—Osborn and Drake 1917b, p. 303.—Gibson 1918, p. 78 (in part).—Drake 1919a, p. 419 [Ariz.]; 1926b, p. 378.

Leptostyla ? *lucida*: Uhler 1886, p. 22.

Corythucha fuscigera: Uhler 1894b, p. 278.—Distant 1902b, p. 357.

TYPE: Holotype ♀; Mexico; Stockholm Mus.

DISTRIBUTION: Mexico; Guatemala; U.S. (Calif.; Ariz.).

HOST PLANTS: *Hosackia crassifolia*; chaparral.

NOTE: Most records of *C. fuscigera* in the United States are referable to other species.

**Corythucha fuscomaculata* (Stål)

Tingis fusco-maculata Stål 1858, p. 63 [Brazil].

Corythucha fuscomaculata: Stål 1873, p. 123.—Distant 1888, p. lxxxiii.—Champion 1898b, p. 57, pl. 2, fig. 2.—Gibson 1918, pp. 76, 89.—Drake and Hambleton 1934, p. 451 [*Triumfetta semitriloba*].—Drake and Poor 1937d, p. 312 [Peru].—Monte 1939b, p. 68 [Colombia]; 1941e, p. 88 [Mexico; Argentina].—Kormilev 1955a, p. 67 [Paraguay; Bolivia].

Corythucha fuscomaculata: Costa Lima 1936, p. 126.—Monte 1937a, p. 31 [*Triumfetta rhomboidea*].—Silva 1956, p. 25, fig. 7.

TYPE: Sex unknown; Brazil; Stockholm Mus.

DISTRIBUTION: Brazil; Peru; Colombia; Bolivia; Argentina; Paraguay; Mexico.

HOST PLANTS: *Triumfetta rhomboidea*; *Triumfetta semitriloba*; *Solanum* sp.

**Corythucha globigera* Breddin

Corythucha globigera Breddin 1901, p. 82 [Ecuador].—Drake and Hambleton 1944b, p. 129 [Peru].—Drake and Ruhoff 1961c, p. 145.

Corythucha globulifera Monte 1940d, p. 102, fig. 14 [Venezuela; *Solanum*].

TYPE: Holotype ♂; Santa Inez, Ecuador; Berlin Mus.

DISTRIBUTION: Ecuador; Peru; Venezuela.

HOST PLANT: *Solanum* sp.

**Corythucha gossypii* (Fabricius)

Acanthia gossypii Fabricius 1794, p. 78.

Tingis gossypii: Fabricius 1803, p. 126.—Le Peletier and Serville 1828, p. 653.—Burmeister 1835, p. 259 [Mexico].—Herrich-Schaeffer

1840, p. 85, pl. 173, fig. 534 [St. Thomas]; 1850, p. 162.—Fieber 1844, p. 104, pl. 9, fig. 5.—Guérin-Ménéville 1857, p. 409 [Cuba; cotton].—Walker 1873a, p. 180.

Tingis decens Stål 1862, p. 324.

Galeatus gossypii: Stål 1868, p. 93.

Corythucha decens: Stål 1873, p. 123.—Champion 1897, p. 7 (in part).—Lutz 1929, p. 233 [Pa.].

Corythucha gossypii: Stål 1873, p. 123.—Barber 1914, p. 507 [Fla.]; 1939, p. 368.—Osborn and Drake 1917b, p. 300 [Grenada; *Ichthyomethia piscipula*].—Gibson 1918, pp. 72, 77, 96.—Drake 1919a, p. 418; 1926a, p. 87; 1928c, p. 5 [Honduras; soursop].—Van Duzee 1923, p. 140 [Coronados Islands; *Atamisquea emarginata*].—Wilson 1923, p. 9 [St. Croix].—Gowdy 1925, p. 19 [congo pea; *Hibiscus*]; 1926, p. 35.—Leonard and Mills 1931, pp. 309–321 [Trinidad; N. Mex.; Tex.; Venezuela; Antigua; Guatemala; Costa Rica; Panama; Haiti; Montserrat; Dominican Republic; St. Vincent; lemon; orange; grapefruit; *Jatropha*; *Dahlia*; *Prunus persicus*; *Citrus medica*; *Cassia emarginata*; *Annona diversifolia*].—Fenton 1934, p. 198 [mango; *Cayanus indicus*; *Solanum torvum*].—Monte 1940d, p. 102 [Colombia].—Drake and Hambleton 1945, p. 366 [Salvador; Ecuador; Nicaragua; eggplant]; 1946b, p. 123.—Bruner, Scaramuzza and Otero 1945, pp. 14, 15, 29, 45, 72, 84, 114, 132, 152, 155, 188 [*Annona squamosa*; *Arachis hypogaea*; *Erythrina berteriana*; *Gossypium*; *Musa paradisiaca*; *Phaseolus limensis*; *Roystonea regia*; *Zanthoxylum martinicense*].—Ramos 1946, p. 25 [Mona Island; *Capparis flexuosa*].—Gomez-Menor 1956a, p. 112.—Drake and Cobben 1960, p. 91, fig. 88d [Aruba; Curaçao; Bonaire; St. Eustatius; Saba; St. Martin; *Jatropha gossypifolia*; *Jatropha multifida*; *Capparis cynophallophora*; *Hibiscus rosa-sinensis*; *Hibiscus esculentus*; *Solanum lycopersicum*; *Solanum melongena*; *Lagenaria leucantha*].

Corythucha gossypii: Van Duzee 1907, p. 18 [Jamaica].—Jones 1915, p. 4 [yautia; *Canavalia ensiformis*; *Ricinus communis*].—Wolcott 1923, p. 246 [Puerto Rico; *Carica papaya*; *Annona muricata*].—Blatchley 1926, p. 460.

TYPE: Holotype ♀, macropterous; “Americae meridionalis, Insulis Dom.”; Kiel Coll. (Copenhagen Mus.).

DISTRIBUTION: Jamaica; Haiti; Dominican Republic; Trinidad; Leeward Islands (Antigua; St. Eustatius; Saba; St. Martin; Montserrat); Windward Islands (St. Vincent; Grenada); Virgin Islands (St. Croix; St. Thomas; St. John); Cuba; Puerto Rico; Netherlands Antilles (Bonaire; Aruba; Curaçao); Ecuador; Colombia; Venezuela; Panama; Costa Rica; Nicaragua; El Salvador; Honduras; Guatemala; Mexico (Coronados, San Esteban Islands); Mona Island; U.S. (Tex.; N. Mex.; Fla.; Pa.).

HOST PLANTS: *Annona diversifolia*; *Annona muricata*; *Annona squamosa*; *Arachis hypogaea*; *Atamisquea emarginata*; *Cajanus indicus*; *Canavalia ensiformis*; *Capparis cynophallophora*; *Capparis flexuosa*; *Carica papaya*; *Cassia emarginata*; *Citrus medica*; *Dahlia* sp.; *Erythrina berteriana*; *Gossypium* sp.; *Hibiscus esculentus*; *Hibiscus rosa-sinensis*; *Hibiscus* sp.; *Ichthyomethia piscipula*; *Jatropha gossypifolia*; *Jatropha multifida*; *Jatropha* sp.; *Lagenaria leucantha*; *Musa paradisiaca*; *Phaseolus limensis*; *Prunus persicus*; *Ricinus communis*; *Roystonea regia*; *Solanum lycopersicum*; *Solanum melongena*; *Solanum torvum*; *Zanthoxylum martinicense*; mango; lemon; grapefruit; orange; yautia; soursop.

NOTE: Life history studies [Leonard and Mills]; predators [Leonard and Mills].

***Corythucha heidemanni** Drake

Corythucha heidemanni Drake (in Gibson 1918, pp. 75, 87) [N.Y.]; 1919b, p. 159 [Ont.; birch]; 1928b, p. 101 [*Ulmus americana*; *Ulmus fulva*].—Parshley 1920b, p. 142 [Vt.; alder]; 1922a, p. 236; 1923b, p. 701.—Proctor 1946, p. 74.—Bailey 1951, p. 82 [Mass.; N.H.; Conn.; N.B.; *Sorbus*; *Alnus*].—Feldman and Bailey 1952, pp. 97–100, 102, 103, figs. 16, 18.—Lindberg 1958b, p. 14 [Nfld.; N.S.; *Alnus crispa*].
Corythucha borealis Parshley (in Gibson 1918, pp. 75, 92) [Maine].
Corythucha heidemanni: Blatchley 1926, p. 457.

TYPE: Holotype ♀, macropterous; Cranberry Lake, New York, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (N.Y.; Conn.; Mass.; Maine; N.H.; Vt.); Canada (N.S.; Nfld.; Ont.; N.B.).

HOST PLANTS: *Alnus crispa*; *Alnus* sp.; *Betula lutea*; *Sorbus* sp.; *Ulmus americana*; *Ulmus fulva*.

***Corythucha hewitti** Drake

Corythucha hewitti Drake 1919b, p. 159 [Manitoba; *Corylus americana*].—Parshley 1921, p. 17.—Downes 1925, p. 15, fig. 4 [*Corylus californica*].—Hurd 1946, p. 483 [Pa.; Iowa; Colo.].—Bailey 1951, p. 84 [Conn.].
Corythucha hesperia Parshley 1919a, p. 23 [B.C.].

TYPE: Sex unknown; Aweme, Manitoba, Canada; Canada. Coll.

DISTRIBUTION: Canada (Man.; Ont.; B.C.); U.S. (Minn.; Wis.; Iowa; Colo.; Pa.; Conn.).

HOST PLANTS: *Corylus americana*; *Corylus californica*.

***Corythucha hispida** Uhler

Corythucha hispida Uhler 1894b, p. 279 [Mexico].—Banks 1910, p. 56 [Calif.].

Corythucha hispida: Gibson 1918, pp. 77, 104 (in part).—Van Duzee 1923, p. 140 [*Abutilon*].

TYPE: Holotype ♂, macropterous; San Esteban, Lower California, Mexico; Cal. Acad.

DISTRIBUTION: Mexico (Baja Calif.); U.S. (Calif.).

HOST PLANT: *Abutilon* sp.

**Corythucha immaculata* Osborn and Drake

Corythucha immaculata Osborn and Drake 1916b, p. 11 [Calif.]; 1917b, p. 301 [Oreg.; Colo.].—Drake 1918d, p. 86 [Idaho; Mont.]; 1919a, p. 419; 1919b, p. 159 [B.C.].—Gibson 1918, pp. 76, 103.—Parshley 1921, p. 17.—Downes 1925, p. 16, fig. 7.—Knowlton 1933, p. 263 [Utah].

Corythucha pura Gibson 1917, p. 258 [Wash.; *Balsamorhiza sagittata*].

Corythucha pura: Gibson 1918, pp. 72, 77, 103.—Parshley 1919a, p. 24.

TYPE: Sex unknown; Alameda, California, U.S.; Ohio State Univ.

DISTRIBUTION: U.S. (Calif.; Oreg.; Wash.; Idaho; Mont.; Utah; Colo.); Canada (B.C.).

HOST PLANT: *Balsamorhiza sagittata*.

**Corythucha incurvata* Uhler

Corythucha incurvata Uhler 1894b, p. 280 [Mexico; Ariz.].

Corythucha arcuata (not Say): Pemberton 1911, p. 339, pls. 12–14 [*Heteromeles arbutifolia*; Calif.].

Corythucha bullata Van Duzee 1917a, p. 258.

Corythucha incurvata: Van Duzee 1917b, p. 213 [Oreg.].—McAtee 1917b, p. 78.—Gibson 1918, pp. 72, 74, 92.—Drake and Ruhoff 1962a, p. 156.

Corythucha heteromelecola Drake 1920, p. 50.

TYPE: Sex unknown; "Cal. 7"; Cal. Acad.

DISTRIBUTION: U.S. (Calif.; Ariz.; Oreg.); Mexico.

HOST PLANT: *Heteromeles arbutifolia*.

NOTE: Life history study [Pemberton].

**Corythucha juglandis* (Fitch)

Tingis juglandis Fitch 1857, p. 466, item 193 [N.Y.; basswood].

Corythucha juglandis: Stål 1873, p. 123 [Ill.; N.J.].—Osborn and Drake 1916a, p. 226 [walnut; Ohio]; 1917b, p. 297 [Ga.; Tenn.; Iowa; Wis.].—Gibson 1918, pp. 71, 75, 80 [Kans.; Tex.; *Tilia americana*].—Myers 1926, p. 111.—Proctor 1946, p. 74.—Bailey 1951, p. 84 [Vt.; N.B.; *Carya illinoensis*; *Rubus*; *Sorbus*].—Feldman and Bailey 1952, pp. 98, 101, 102, fig. 10.

Tingis arcuata (not Say): Uhler 1878, p. 415 (in part).

Corythucha juglandis: Uhler 1884, p. 285 [butternut].—Van Duzee 1905, p. 549.—Blatchley 1926, p. 466.

Corythucha arcuata: Smith 1910, p. 148.—Parshley 1914, p. 145 [Maine]; 1917b, p. 55 [N.H.; Mass.; R.I.; Conn.].

Corythucha contracta Osborn and Drake 1916a, p. 230.—Gibson 1918, p. 104.—Drake 1921b, p. 51 [Ind.].—Barber and Weiss 1922, p. 8.—Proctor 1946, p. 74 [*Sorbus americana*].

Corythucha parshleyi Gibson 1918, pp. 72, 76, 83 [*Carya olivaeformis*; *Amelanchier intermedia*].—Weiss and Dickerson 1918b, p. 401 [*Juglans cinerea*; *Juglans sieboldiana*; *Juglans nigra*].—Drake 1919b, p. 159 [N.C.].

Corythucha contracta: Blatchley 1926, p. 467.—Blöte 1945, p. 83 [Md.; Va.].

TYPE: Holotype ♂, macropterous; New York State, U.S.; USNM.

DISTRIBUTION: U.S. (Maine; N.H.; Vt.; Mass.; R.I.; Conn.; N.Y.; N.J.; Md.; Va.; N.C.; S.C.; Ga.; Tenn.; Ohio; Ind.; Ill.; Wis.; Iowa; Kans.; Tex.; Miss.); Canada (N.B.).

HOST PLANTS: *Amelanchier intermedia*; *Carya illinoensis*; *Carya olivaeformis*; *Juglans cinerea*; *Juglans nigra*; *Juglans sieboldiana*; *Rubus* sp.; *Sorbus* sp.; *Sorbus americana*; *Tilia americana*.

NOTE: Life history studies [Barber and Weiss; Weiss and Dickerson]; ovipositors [Feldman and Bailey].

***Corythucha lowryi** Drake

Corythucha lowryi Drake 1948j, p. 434 [Wis.; *Carpinus caroliniana*].

TYPE: Holotype ♂, macropterous; Frederic, Wisconsin, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Wis.).

HOST PLANT: *Carpinus caroliniana*.

***Corythucha marmorata** (Uhler)

Tingis marmorata Uhler 1878, p. 415 [N.C.].

Corythucha marmorata: Van Duzee 1889, p. 5 [Canada]; 1894, p. 181 [N.Y.]; 1907, p. 19 [Jamaica]; 1909, p. 173 [Fla.].—Howard 1904, p. 89.—Felt 1904, p. 125 [ragweed].—Smith 1910, p. 148 [N.J.].—Osborn and Drake 1915a, p. 506 [Ohio].—Blatchley 1926, p. 462, pl. 4, fig. 6.—Blöte 1945, p. 83 [Va.].

Corythucha irrorata Howard 1898, p. 99 [Ala.; *Chrysanthemum*].

Corythucha gossypii (not Fabricius): Torre-Bueno 1908, p. 232.

Corythucha marmorata: Van Duzee 1914, p. 11 [Calif.; sunflower]; 1917b, p. 214 [Ont.; N. Mex.].—Barber 1914, p. 507.—Osborn and Drake 1916a, p. 226; 1917b, p. 298 [Nebr.; Ind.; Mich.; Pa.; Maine; Mass.; Ga.; Tenn.; La.; Iowa; Colo.].—Parshley 1917b, p. 54 [N.H.; Vt.; R.I.; Conn.]; 1917c, p. 47; 1919a, p. 20 [B.C.]; 1922b, p. 11 [S. Dak.]; 1923a, p. 103; 1923b, p. 702, pl. 17, fig. 6.—McAttee 1917b, p. 78 [D.C.; *Aster*]; 1923, p. 148 [*Solidago*; *Ambrosia trifida*].—Gibson 1918, pp. 76, 94.—Barber and Weiss 1922, p. 7, fig. 3.—Hussey 1922a, p. 11 [N. Dak.]; 1922b, p. 23 [goldenrod].—Weiss 1924, p. 367 [*Solidago sempervirens*].—Weiss and Lott 1924, p. 68.—Downes 1925, p. 16, fig. 6.—Torre-Bueno 1925, p. 179.—Drake 1926b, p. 379.—Knowlton 1933, p. 263.—Abbott 1935, p. 13.—Froeschner 1944, p. 667 [Mo.; *Helianthus*].—Proctor 1946, p. 74.—Bailey 1951, p. 86

[*Tanacetum*]; 1959, p. 67 [*Rudbeckia serotina*; *Echinops sphaerocephalus*].—
Feldman and Bailey 1952, pp. 96, 98, 101–103, figs. 2, 8.

Corythucha decens (not Stål): Van Duzee 1917b, p. 214 (in part).

Corythucha lactea Drake (in Gibson 1918, pp. 74, 94) [Utah].

Corythucha marmorata var. *informis* Parshley 1919a, p. 20 [N.S.]; 1922b,
p. 11.—Downes 1925, p. 16.—Bailey 1951, p. 86.

Corythucha marmorata var. *minutissima* Drake 1920, p. 50.

TYPE: North Carolina, U.S.; sex and deposition of type unknown.

DISTRIBUTION: U.S. (Maine; N.H.; Vt.; Mass.; R.I.; Conn.; N.Y.; N.J.;
Pa.; Md.; D.C.; Va.; N.C.; Ga.; Miss.; Fla.; Ala.; La.; Tenn.; W. Va.;
Ohio; Ind.; Ill.; Iowa; Kans.; Mo.; Mich.; Wis.; Nebr.; N. Dak.; S. Dak.;
Colo.; Utah; Idaho; Oreg.; N. Mex.; Ariz.; Tex.; Calif.); Canada (Ont.;
B.C.; N.S.); Jamaica; Mexico.

HOST PLANTS: *Ambrosia trifida*; *Aster* sp.; *Chrysanthemum* sp.; *Echinops
sphaerocephalus*; *Helianthus tuberosus*; *Helianthus* sp.; *Rudbeckia serotina*; *Solidago
sempervirens*; *Solidago* sp.; *Tanacetum* sp.

NOTE: Life history studies [Felt; Barber and Weiss; Bailey]; eggs
[Abbott]; causes damage in greenhouses [Osborn and Drake].

**Corythucha mcelfreshi* Drake

Corythucha mcelfreshi Drake 1921b, p. 50, pl. 1, figs. b, b' [Mexico].

TYPE: Holotype ♂, macropterous; Mexico; Drake Coll. (USNM).

DISTRIBUTION: Mexico.

HOST PLANT: Unrecorded.

**Corythucha mollicula* Osborn and Drake

Corythucha mollicula Osborn and Drake 1916b, p. 12, fig. 2 [Mich.].—
Drake 1921b, p. 53 [S.C.; poplar]; 1922d, p. 64, figs. 25c,d.—Hussey
1922b, p. 23.—Parshley 1922a, p. 236; 1923b, p. 701 [Conn.].—
McAtee 1923, p. 148 [Md.; Va.].—Froeschner 1944, p. 667 [Mo.].—
Proctor 1946, p. 74 [Maine].—Bailey 1951, p. 90 [R.I.; *Populus*];
1959a, p. 67.—Feldman and Bailey 1952, pp. 98, 101–103, fig. 5.

Corythucha salicis Osborn and Drake 1917b, p. 298 [Mass.; Wis.; Mont.;
currant].—Gibson 1918, pp. 73, 76, 85 [Fla.; *Ribes*].—Drake 1919b,
p. 159 [N.J.; N.Y.; Ont.; Man.; *Salix discolor*].—Parshley 1920a,
p. 273 [*Salix*]; 1921, p. 17 [*Salix hookeriana*].—Downes 1925, p. 15,
fig. 1.

Corythucha molliculata [sic]: Gibson 1918, pp. 85, 90.

Corythucha canadensis Parshley 1919a, p. 18 [B.C.].

Corythucha mollicula: Blatchley 1926, p. 461, fig. 102c.

TYPE: Holotype ♀, macropterous; East Lansing, Michigan, U.S.; Drake
Coll. (USNM).

DISTRIBUTION: U.S. (Maine; N.H.; Mass.; R.I.; Conn.; N.Y.; N.J.;
Pa.; Md.; Va.; S.C.; Ga.; Fla.; Mich.; Mo.; Ill.; Ind.; Wis.; Kans.; N. Dak.;

S. Dak.; Nebr.; Idaho.; Mont.; Oreg.; Wash.); Canada (Man.; B.C.; Ont.).

HOST PLANTS: *Populus* sp.; *Ribes* sp.; *Salix discolor*; *Salix hookeriana*; *Salix* sp.

**Corythucha montivaga* Drake

Corythucha montivaga Drake 1919a, p. 417 [Mont.].—Hurd 1946, p. 484 [Wyo.].

TYPE: Holotype ♀, macropterous; Bear Pw. Mt., Montana, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Mont.; Wyo.; Utah).

HOST PLANT: Unrecorded.

NOTE: The holotype was erroneously recorded as a ♂ in the original description.

**Corythucha morrilli* Osborn and Drake

Corythucha morrilli Osborn and Drake 1917b, p. 298 [Colo.; Ariz.].—Gibson 1918, pp. 74, 95.—Drake 1919a, p. 419 [N. Mex.; Tex.; Calif.; *Helianthus*]; 1921b, p. 51 [ebony]; 1926b, p. 379; 1938a, p. 70.—Drake and Bruner 1924a, p. 154 [Jamaica; Cuba].—Downes 1925, p. 16 [B.C.; *Artemisia dracunculoides*].—Blatchley 1928, p. 4 [Fla.].—Tilden 1950, p. 135 [*Baccharis pilularis*].—Drake and Cobben 1960, p. 93, fig. 88c [Aruba; Curaçao; Bonaire; St. Eustatius; *Egletes prostrata*; *Ipomoea batatas*; *Helianthus annuus*; *Lagascea mollis*; *Synedrella nodiflora*; *Wedelia jacquini*].

Corythucha decens (not Stål): Van Duzee 1917b, p. 214 (in part).

Corythucha mexicana Gibson 1918, pp. 76, 95 [Mexico].

Corythucha morrillii [sic]: Gowdy 1926, p. 35.

Corythucha morelli [sic]: Knowlton 1933, p. 263 [Utah].

Corythucha morrilli: Hardy 1954, p. 282 [Hawaii; *Xanthium*; *Ambrosia artemisiifolia*; *Verbesina encelioides*].—Bianchi 1955a, p. 378 [*Pluchea indica*]; 1955b, p. 383 [*Xanthium canadense*].

TYPE: Holotype ♂, macropterous; Fort Collins, Colorado, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Colo.; Utah; Calif.; Ariz.; N. Mex.; Tex.; Fla.; Hawaii); Canada (B.C.); Mexico; Guatemala; Cuba; Jamaica; Netherlands Antilles (Aruba; Curaçao; Bonaire); Leeward Islands (St. Eustatius).

HOST PLANTS: *Ambrosia artemisiifolia*; *Artemisia dracunculoides*; *Baccharis pilularis*; *Erigeron canadensis*; *Egletes prostrata*; *Helianthus annuus*; *Helianthus* sp.; *Ipomoea batatas*; *Lagascea mollis*; *Pluchea indica*; *Synedrella nodiflora*; *Verbesina encelioides*; *Wedelia jacquini*; *Xanthium canadense*; *Xanthium* sp.; ebony.

NOTE: Biological notes [Tilden]. Introduced into Hawaii.

**Corythucha nicholi* Drake

Corythucha nicholi Drake 1928f, p. 3 [Ariz.].

TYPE: Holotype ♂, macropterous; Santa Rita Mountains, Arizona, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Ariz.).

HOST PLANT: Unrecorded.

***Corythucha nobilis** Drake and Bondar

Corythucha nobilis Drake and Bondar 1932, p. 92 [Brazil; *Solanum*].—
Costa Lima 1936, p. 126.

Corythucha nobilis: Silva 1956, p. 27.

TYPE: Holotype ♂, macropterous; Bahia, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil; Paraguay.

HOST PLANT: *Solanum* sp.

***Corythucha nocens** Drake and Hambleton (emendation)

Corythucha nocentis Drake and Hambleton 1942a, p. 330 [Peru]; 1945,
p. 366 [Ecuador].

TYPE: Holotype ♂, macropterous; Canete, Peru; Drake Coll. (USNM).

DISTRIBUTION: Peru; Ecuador.

HOST PLANT: Unrecorded.

***Corythucha obliqua** Osborn and Drake

Corythucha obliqua Osborn and Drake 1916b, p. 11 [Calif.]; 1917b, p.
301 [Oreg.; Idaho].—Gibson 1918, pp. 72, 76, 84 [*Ceanothus*].—
Drake 1919a, p. 418.

Corythucha maculata Van Duzee 1917a, p. 257 [Utah; Colo.].

Corythucha coelata [sic] (not Uhler): Van Duzee 1917a, p. 259.

Corythucha fuscigera (not Stål): Van Duzee 1917b, p. 213 (in part).

Corythucha contaminata Gibson 1918, pp. 72, 76, 82 [*Ceanothus cardulatus*].

TYPE: Holotype ♀, macropterous; Dutch Flats, California, U.S.; Drake
Coll. (USNM).

DISTRIBUTION: U.S. (Calif.; Oreg.; Idaho; Wash.; Utah.; Colo.).

HOST PLANTS: *Ceanothus cardulatus*; *Ceanothus sanguineus*; *Ceanothus* sp.

***Corythucha omani** Drake

Corythucha omani Drake 1941a, p. 144 [Ariz.].

TYPE: Holotype ♂, macropterous; Nogales, Arizona, U.S.; USNM.

DISTRIBUTION: U.S. (Ariz.).

HOST PLANT: Unrecorded.

***Corythucha padi** Drake

Corythucha padi Drake 1917a, p. 215 [Mont.; Oreg.; choke cherry];
1919b, p. 159 [Idaho]; 1932, p. 100.—Osborn and Drake 1917b,
p. 303 [Wash.; B.C.; *Prunus demissa*].—Gibson 1918, pp. 71, 75, 88.—
Parshley 1919a, p. 19 [alder; hazel].—Downes 1925, p. 15, fig. 3
[walnut].—Knowlton 1933, p. 262 [Utah].

Corythucha coloradensis Gibson 1918, pp. 72, 76, 89 [Colo.; Nebr.; *Rhus
toxicodendron*].

Corythucha fuscigera (not Stål): Gibson 1918, p. 78 (in part).

TYPE: Holotype ♀, macropterous; Missoula, Montana, U.S.; Drake
Coll. (USNM).

DISTRIBUTION: U.S. (Mont.; Colo.; Utah; Oreg.; Wash.; Idaho; Nebr.);
Canada (B.C.).

HOST PLANTS: Primary host *Prunus demissa*; also recorded from *Rhus toxicodendron*; hazel; alder; walnut.

**Corythucha pallida* Osborn and Drake

Corythucha pallida Osborn and Drake 1916a, p. 230 [Ohio; linden]; 1917b, p. 300 [Md.; Tenn.; Va.; Ariz.; *Tilia americana*; *Morus rubra*].—McAtee 1917b, p. 78 [D.C.]; 1923a, p. 148.—Gibson 1918, pp. 76, 100.—Drake 1925c, p. 36 [Miss.].—Froeschner 1944, p. 667 [Mo.].—Proctor 1946, p. 74 [Maine].—Bailey 1951, p. 91 [*Podophyllum peltatum*].

Corythucha pallida: Blatchley 1926, p. 459 [Ind.].—Blöte 1945, p. 83 [N.C.].

TYPE: Sex unknown; Columbus, Ohio, U.S.; Ohio State Univ.

DISTRIBUTION: U.S. (Maine; Md.; D.C.; Va.; W. Va.; Ohio; Ill.; Tenn.; Miss.; Mo.; Ind.; Ga.; N.C.; S.C.; Ala.; Ariz.).

HOST PLANTS: *Morus rubra*; *Podophyllum peltatum*; *Tilia americana*.

**Corythucha pallipes* Parshley

Corythucha juglandis (not Fitch): Van Duzee 1917b, p. 215 (in part).

Corythucha pallipes Parshley (in Gibson 1918, pp. 73, 77, 82) [Conn.; *Salix sieboldiana*]; 1919b, p. 70; 1923b, p. 701 [*Salix*].—Drake 1922d, p. 65; 1922f, pp. 111–116, pl. 4, fig. 44 [Mich.; Wis.; Oreg.; Wash.; Man.; *Betula alba*; *Fagus grandiflora*; *Ostrya virginiana*; *Pyrus americana*; *Acer spicatum*; *Acer saccharinum*; *Acer saccharum*; *Acer pennsylvanicum*].—Bailey 1951, p. 91 [Vt.; Que.; N.B.; *Betula papyrifera*].—Feldman and Bailey 1952, pp. 98, 101–103, fig. 17.—Lindberg 1958b, p. 14 [Nfld.].

Corythucha betulae Drake (in Gibson 1918, pp. 71, 75, 86) [N.Y.; *Betula lutea*]; 1919b, p. 159 [Ont.; *Betula lenta*].—Parshley 1919b, p. 70.

Corythucha cyrta Parshley (in Gibson 1918, pp. 75, 86) [Maine; Mass.; N.H.]; 1919b, p. 70; 1920a, p. 272.

Corythucha paleipes [sic]: Barber 1922a, p. 16 [N.J.].

Corythucha pallipes: Blatchley 1926, p. 457, fig. 100.—Drake and Davis 1960, fig. 18.

TYPE: Holotype ♀; Stamford, Connecticut, U.S.; Cal. Acad.

DISTRIBUTION: U.S. (Maine; Mass.; Vt.; N.H.; Conn.; N.Y.; N.J.; Oreg.; Wis.; Mich.; Wash.); Canada (Que.; Man.; N.B.; Ont.; Nfld.).

HOST PLANTS: *Acer pennsylvanicum*; *Acer saccharinum*; *Acer saccharum*; *Acer spicatum*; *Betula alba*; *Betula lenta*; *Betula lutea*; *Betula papyrifera*; *Fagus grandifolia*; *Ostrya virginiana*; *Pyrus americana*; *Salix sieboldiana*; *Salix* sp.

NOTE: Life history studies [Drake 1922b; Bailey]; predaceous insects [Bailey; Drake].

***Corythucha palmatis** Drake

Corythucha palmatis Drake 1929, p. 37 [Costa Rica].

TYPE: Holotype ♂; San José, Costa Rica; Hamburg Mus.

DISTRIBUTION: Costa Rica.

HOST PLANT: Unrecorded.

***Corythucha pellucida** Drake and Hambleton

Corythucha pellucida Drake and Hambleton 1938a, p. 67 [Brazil; *Celtis ferruginea*].—Monte 1939b, p. 68 [*Celtis brasiliensis*].

TYPE: Holotype ♂, macropterous; Campinas, São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANTS: *Celtis brasiliensis*; *Celtis ferruginea*.

***Corythucha pergandei** Heidemann

Corythucha pergandei Heidemann 1906, p. 10, figs. 2, 3 [D.C.; Pa.; Va.; Mass.; Ill.; Kans.; elms; crab apple; hazel; *Alnus*].—Smith 1910, p. 148 [N.J.; N.Y.].—Parshley 1914, p. 145 [Maine].—Blatchley 1926, p. 466, fig. 104 [Ga.].

Corythucha pergandei: Osborn and Drake 1916a, p. 228, figs. 4, 5 [Ohio]; 1917b, p. 300 [Wis.; Md.; Tenn.].—Parshley 1917b, p. 54 [N.H.; Conn.]; 1923a, p. 102 [N.S.].—Van Duzee 1917b, p. 213 [Ont.].—Gibson 1918, pp. 71, 75, 91 [Calif.; Tex.; *Betula nigra*; *Betula lenta*; *Alnus rugosa*; *Pyrus prunifolia*; *Ulmus*].—Weiss and Dickerson 1918a, p. 205, fig. [*Alnus glutinosa*; *Betula lutea*; *Betula populifolia*].—Barber and Weiss 1922, p. 6, fig. 2.—Hussey 1922b, p. 23 [Mich.; *Alnus incana*].—McAttee 1923, p. 148 [*Prunus americana*; *Celtis crassifolia*].—Torre-Bucno 1926a, p. 54.—Drake 1928b, p. 100.—Bailey 1951, p. 94 [Vt.].—Feldman and Bailey 1952, pp. 96, 98, 101–103, figs. 1, 2.

TYPE: Holotype ♂, macropterous; Washington, D.C., U.S.; USNM.

DISTRIBUTION: U.S. (Maine; N.H.; Vt.; Mass.; Conn.; N.Y.; N.J.; Pa.; Md.; D.C.; Va.; Ga.; Tenn.; Ky.; Ohio; Ind.; Ill.; W. Va.; Mich.; Wis.; Minn.; Iowa; Mo.; Nebr.; Kans.; Okla.; Tex.; Calif.); Canada (Ont.; N.S.; B.C.).

HOST PLANTS: Primary—*Alnus glutinosa*; *Alnus incana*; *Alnus rugosa*; *Alnus* sp.; also recorded from: *Betula lenta*; *Betula lutea*; *Betula nigra*; *Betula populifolia*; *Celtis crassifolia*; *Corylus americana*; *Prunus americana*; *Pyrus prunifolia*; *Ulmus* sp.

NOTE: Life history studies [Weiss and Dickerson; Bailey]; taken at light [McAttee]; ovipositor [Feldman and Bailey].

***Corythucha pruni** Osborn and Drake

Corythucha pruni Osborn and Drake 1916a, p. 231 [D.C.; *Prunus serotina*]; 1917b, p. 303.—McAttee 1917b, p. 79.—Gibson 1918, pp. 71, 76, 80 [N.Y.; N.C.; Ohio].—Hussey 1922b, p. 23 [Mich.].—Bailey

1951, p. 96, fig. 4, graphs 3-5 [Vt.; Mass.]; 1959, p. 67 [Conn.; R.I.].—Feldman and Bailey 1952, pp. 96, 98, 102, 103, figs. 4, 9.

Corythucha hoodiana Osborn and Drake 1917b, p. 302 [Oreg.].—Gibson 1918, pp. 76, 82.

Corythucha exigua Drake (in Gibson 1918, pp. 76, 83).

Corythucha pyriformis Parshley 1920c, p. 81 [Maine; N.H.]; 1922a, p. 236.

Corythucha pruni: Blatchley 1926, p. 465.

Corythucha exigua: Blatchley 1926, p. 467.

TYPE: Sex unknown; Washington, D.C., U.S.; Ohio State Univ.

DISTRIBUTION: U.S. (Maine; N.H.; Conn.; R.I.; Mass.; Vt.; N.Y.; Md.; D.C.; Va.; N.C.; Ga.; Ohio; Mich.; Ind.; Ill.; Mo.; Iowa; Nebr.; Utah; Oreg.).

HOST PLANT: *Prunus serotina*.

NOTE: Life history study [Bailey]; leaf injury [Bailey]; ovipositor [Feldman and Bailey].

**Corythucha sagillata* Drake

Corythucha sagillata Drake 1932, p. 101 [Ariz.; *Vauquelinia californica*].

TYPE: Holotype ♀, macropterous; Santa Catalina Mountains, Arizona, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Ariz.).

HOST PLANT: *Vauquelinia californica*.

**Corythucha salicata* Gibson

Corythucha salicata Gibson 1918, pp. 77, 90 [Oreg.].—Parshley 1919a, p. 20 [B.C.]; 1921, p. 17 [*Salix lasiandra*].—Drake 1921b, p. 53 [Wash.; Man.; poplar; alder].—Downes 1925, p. 16, fig. 2 [*Salix scouleriana*].—Thompson and Wong 1933, pp. 1090-1095, fig. 95.

Corythucha drakei Gibson 1918, pp. 71, 77, 98 [Calif.; *Pyrus malus*].

Corythucha essigi Drake 1918c, p. 385 [maize].

Corythucha platini Drake 1920, p. 49 [sycamore].

TYPE: Holotype ♀, macropterous; Hood River, Oregon, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Oreg.; Wash.; Calif.; Idaho; Utah); Canada (Man.; B.C.).

HOST PLANTS: *Salix lasiandra*; *Salix scouleriana*; *Pyrus malus*; *Zea mays*; poplar; alder; sycamore.

NOTE: Life history study [Thompson and Wong].

**Corythucha scitula* Drake

Corythucha scitula Drake 1948c, p. 24 [Oreg.; *Corylus rostrata*].

TYPE: Holotype ♂, macropterous; Stayton, Oregon, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Oreg.).

HOST PLANT: *Corylus rostrata*.

***Corythucha seguyi** Drake

Corythucha seguyi Drake 1921b, p. 51, pl. 1, fig. c [Bolivia].—Drake and Hambleton 1945, p. 366 [Peru].

TYPE: Sex unknown; Cochabamba, Bolivia; Paris Mus.

DISTRIBUTION: Bolivia; Peru.

HOST PLANT: Unrecorded.

***Corythucha sertae** Drake and Hambleton

Corythucha sertae Drake and Hambleton 1945, p. 366 [Guatemala].

TYPE: Holotype ♂, macropterous; Lake Atitlán, Guatemala; Drake Coll. (USNM).

DISTRIBUTION: Guatemala; Mexico.

HOST PLANT: Unrecorded.

***Corythucha setosa** Champion

Corythucha setosa Champion 1897, p. 8, pl. 1, figs. 10, 10a [Guatemala].—Van Duzee 1917b, p. 215 [Calif.].—Gibson 1918, pp. 77, 100 [Mexico].—Drake and Hambleton 1946b, p. 122.

TYPE: Sex unknown; Cerro Zunil, Guatemala; British Mus.

DISTRIBUTION: Guatemala; Mexico; U.S. (Calif.).

HOST PLANT: Unrecorded.

Corythucha socia Monte

Corythucha socia Monte 1940c, p. 296 [Brazil; Euphorbiaceae].

TYPE: Holotype ♂; Lapinha, Lagôa Santa, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Euphorbiaceae.

***Corythucha sphaeralceae** Drake

Corythucha hispida (not Uhler): Van Duzee 1917b, p. 214 (in part) [Ariz.].—Knowlton 1931, p. 43 [Utah].

Corythucha sphaeralceae Drake 1920, p. 51 [Calif.; *Sphaeralcea*].

Corythucha pacifica Drake 1920, p. 52 [Wash.].

TYPE: Holotype ♀, macropterous; Deep Springs Valley, Inyo County, California, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Calif.; Ariz.; Utah).

HOST PLANT: *Sphaeralcea* sp.

***Corythucha spinosa** (Dugès)

Tingis spinosa Dugès 1889, p. 207, pl. 18 [Mexico; *Ricinus communis*].

Tingis hyalina (not Herrich-Schaeffer): Guétrin-Méneville 1857, p. 408 [Cuba].

Corythucha spinosa: Champion 1897, p. 8, pl. 1, figs. 9, 9a; 1898b, p. 57.—Van Duzee 1917b, p. 214 [Calif.].—Gibson 1918, pp. 77, 99.—Drake and Bruner 1924a, p. 154 [*Bambusa*].—Perkins and Swezey 1924, p. 52 [*Lantana camara*].—Drake 1926a, p. 87.—Bruner, Scara-

muzza and Otero 1945, pp. 97, 168, 184 [*Solanum torvum*; *Triumfetta grossulariaefolia*].

Corythucha unifasciata (not Champion): Gibson 1918, pp. 76, 97.

TYPE: Silao de la Victoria, Guanajuato, Mexico; sex and deposition of type unknown.

DISTRIBUTION: Mexico; Cuba; Trinidad; Costa Rica; U.S. (Calif.).

HOST PLANTS: *Lantana camara*; *Bambusa* sp.; *Solanum torvum*; *Ricinus communis*; *Triumfetta grossulariaefolia*.

***Corythucha translucida* Monte**

Corythucha translucida Monte 1946c, p. 28 [Bolivia].

TYPE: Holotype ♂; La Paz, Bolivia; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Bolivia.

HOST PLANT: Unrecorded.

****Corythucha tuthilli* Drake**

Corythucha tuthilli Drake 1940a, p. 172 [Colo.].

TYPE: Holotype ♂, macropterous; Creede, Colorado, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Colo.).

HOST PLANT: Unrecorded.

****Corythucha ulmi* Osborn and Drake**

Corythucha pallida var. *ulmi*? Osborn and Drake 1916a, p. 231 [Ohio; *Ulmus americana*].

Corythucha ulmi: Gibson 1918, pp. 77, 97 [Md.; N.Y.; S.C.].—Parshley 1922a, p. 236 [N.H.]; 1922b, p. 11 [S. Dak.]; 1923b, p. 702 [Conn.].—McAtee 1923, p. 148 [Va.; *Ulmus fulva*].—Felt 1933, p. 49.—Froeschner 1944, p. 668 [Mo.].—Hurd 1946, p. 484 [Nebr.; Minn.].—Bailey 1951, p. 105 [Vt.; Mass.; *Ulmus thomasi*]; 1959, p. 69.—Feldman and Bailey 1952, pp. 98, 102, 103, fig. 11.—Ash 1954, p. 185 [Ind.; *Ulmus glabra camperdownii*].

Corythucha ulmi: Blatchley 1926, p. 464.

TYPE: Neotype ♀, macropterous; Plummer's Island, Maryland, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (N.H.; Vt.; Mass.; Conn.; N.Y.; Md.; Va.; S.C.; Miss.; Ohio; Ind.; Mich.; Ill.; Wis.; Minn.; Iowa; Mo.; Nebr.; S. Dak.).

HOST PLANTS: *Ulmus americana*; *Ulmus fulva*; *Ulmus glabra camperdownii*; *Ulmus thomasi*.

****Corythucha unifasciata* Champion**

Corythucha unifasciata Champion 1897, p. 7, pl. 1, figs. 8, 8a [Mexico; Guatemala; Panama].

TYPE: Sex unknown; Las Mercedes, Guatemala; British Mus.

DISTRIBUTION: Mexico; Guatemala; Panama.

HOST PLANT: Unrecorded.

Genus COTTOTHUCHA Drake and Poor

Cottothucha Drake and Poor 1941, p. 162.—Drake and Ruhoff 1960a, p. 49.

TYPE SPECIES: *Cottothucha oceanae* Drake and Poor.

***Cottothucha oceanae Drake and Poor**

Cottothucha oceanae Drake and Poor 1941, p. 163 [Amboina].—Drake and Ruhoff 1961b, p. 182, fig. 23 [Luzon].

TYPE: Holotype ♂; Amboina Island; Cal. Acad.

DISTRIBUTION: Moluccas (Amboina); Philippine Islands (Luzon).

HOST PLANT: *Raphidophora merrillii*.

Genus CROMERUS Distant

Cromerus Distant 1902b, p. 355.—Drake 1926c, p. 334.—Drake and Ruhoff 1960a, p. 49.

TYPE SPECIES: *Monanthia invaria* Walker.

***Cromerus bakeri Drake**

Cromerus bakeri Drake 1930c, p. 166 [Samar].

TYPE: Holotype ♀, macropterous; Samar Island, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Samar).

HOST PLANT: Unrecorded.

***Cromerus excelans Drake**

Cromerus invarius (not Walker): Drake 1930c, p. 167 [Samar; Mindanao].

Cromerus excelans Drake 1953b, p. 91.

TYPE: Holotype ♂, macropterous; Butuan, Mindanao, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Samar; Mindanao).

HOST PLANT: Unrecorded.

***Cromerus gressitti Drake**

Cromerus gressitti Drake 1937b, p. 591 [China].

TYPE: Holotype ♂, macropterous; Yim-na Shan, E. Kwangtung, China; Drake Coll. (USNM).

DISTRIBUTION: China.

HOST PLANT: Unrecorded.

***Cromerus hackeri Drake and Poor**

Cromerus hackeri Drake and Poor 1939c, p. 203 [Australia].

TYPE: Holotype ♂, macropterous; Cedar Creek, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Cromerus invarius** (Walker)

Monanthia invaria Walker 1873a, p. 196 [New Guinea].

Cromerus invaria: Distant 1902b, p. 356.—Drake 1960a, p. 355.

TYPE: Sex unknown; New Guinea; British Mus.

DISTRIBUTION: New Guinea.

HOST PLANT: Unrecorded.

***Cromerus kalshoveni** Drake

Cromerus kalshoveni Drake 1926e, p. 334 [Java; *Vitex heterophylla*]; 1930e, p. 167 [Mindanao].

TYPE: Holotype ♀, macropterous; Kediri, Java; Drake Coll. (USNM).

DISTRIBUTION: Greater Sunda Islands (Java); Philippine Islands (Mindanao).

HOST PLANT: *Vitex heterophylla*.

***Cromerus palawanus** Drake and Maa

Cromerus palawanus Drake and Maa 1955, p. 6 [Palawan].

TYPE: Holotype ♀, macropterous; Binaluan, Palawan, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Palawan).

HOST PLANT: Unrecorded.

***Cromerus viadoi** Drake and Maa

Cromerus viadoi Drake and Maa 1955, p. 5 [Mindanao].

TYPE: Holotype ♂, macropterous; Mindanao, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Mindanao).

HOST PLANT: Unrecorded.

Genus CYSTEOCHILA Stål

Cysteochila Stål 1873, pp. 121, 129.—Lethierry and Severin 1896, p.

22.—Distant 1903b, p. 138.—Bergroth 1921, p. 104.—Horváth

1925a, p. 3.—Drake and Poor 1937a, p. 6.—Drake 1956b, p. 110.—

Drake and Ruhoff 1960a, p. 49.—Stichel 1960b, p. 400.

Bredenbachius Distant 1903a, p. 50; 1903b, p. 139.—Drake and Ruhoff 1960a, p. 40.

TYPE SPECIES: *Monanthia*? *tingoides* Motschulsky.

***Cysteochila abetti** Schouteden

Cysteochila abetti Schouteden 1919, p. 140 [Congo]; 1923, p. 103.—

Drake 1956a, p. 4 [Uganda].

TYPE: Sex unknown; Kilo, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo; Uganda.

HOST PLANT: Unrecorded.

***Cysteochila ablusa** Drake

Cysteochila ablusa Drake 1948a, p. 6 [India].

TYPE: Holotype ♂, macropterous; Barwai, India; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: *Bauhinia variegata*.

***Cysteochila abundans** Drake and Poor (emendation)

Cysteochila abundantis Drake and Poor 1937a, p. 8 [Mindanao]; 1937b, p. 400 [Luzon].—Singh 1953, p. 118.

TYPE: Holotype ♂; Tangkulan, Bukidnon Province, Mindanao, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Mindanao; Luzon).

HOST PLANT: Unrecorded.

***Cysteochila aletheia** Drake and Ruhoff

Cysteochila aletheia Drake and Ruhoff 1962b, p. 251 [Papua].

TYPE: Holotype ♂, macropterous; Bisiatabu, Port Moresby, Papua Territory, New Guinea; So. Austr. Mus.

DISTRIBUTION: New Guinea (Papua).

HOST PLANT: Unrecorded.

Cysteochila angulipennis Horváth

Cysteochila angulipennis Horváth 1929, p. 323 [Zanzibar].

TYPE: Holotype ♂; Zanzibar; British Mus.

DISTRIBUTION: Zanzibar.

HOST PLANT: Unrecorded.

Cysteochila annandalei (Distant)

Bredembachius annandalei Distant 1909a, p. 119 [India]; 1910a, p. 120.

TYPE: Sex unknown; Calcutta, India; British Mus.

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

Cysteochila aspera Drake and Poor

Cysteochila aspera Drake and Poor 1941, p. 160 [Amboina].

TYPE: Holotype ♂; Amboina Island; Cal. Acad.

DISTRIBUTION: Moluccas (Amboina).

HOST PLANT: Unrecorded.

***Cysteochila bakeri** Drake and Poor

Cysteochila bakeri Drake and Poor 1937a, p. 9 [Mindanao; Luzon]; 1937b, p. 399.

TYPE: Holotype ♀, macropterous; Surigao, Mindanao, Philippine Islands; USNM.

DISTRIBUTION: Philippine Islands (Mindanao; Luzon).

HOST PLANT: Unrecorded.

Cysteochila basilewskyi Schouteden

Cysteochila basilewskyi Schouteden 1957c, p. 316 [Ruanda].

TYPE: Sex unknown; Ruanda; Cent. Afr. Mus.

DISTRIBUTION: Ruanda-Urundi.

HOST PLANT: Unrecorded.

***Cysteochila biseriata** Schouteden

Cysteochila biseriata Schouteden 1916b, p. 295 [Congo]; 1923, p. 103.—
Mayné and Ghesquière 1934, p. 20 [*Hevea*].

TYPE: Sex unknown; Congo da Lemba, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: *Hevea* sp.

Cysteochila bredoi Schouteden

Cysteochila bredoi Schouteden 1953b, p. 117 [Congo].

TYPE: Sex unknown; Bunia, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Cysteochila brunnea** Hacker

Cysteochila brunnea Hacker 1928, p. 180, pl. 23, fig. 13 [Queensland].

TYPE: Sex unknown; Cairns District, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

Cysteochila burgeoni Schouteden

Cysteochila burgeoni Schouteden 1953b, p. 115 [Congo].

TYPE: Sex unknown; Rutshuru, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Cysteochila caffra** Stål

Cysteochila caffra Stål 1873, p. 129 [Caffraria].—Distant 1902a, p. 242,
pl. 15, fig. 8.

TYPE: Holotype ♀; Caffraria, South Africa; Stockholm Mus.

DISTRIBUTION: South Africa; Malagasy Republic.

HOST PLANT: Unrecorded.

***Cysteochila chiniana** Drake

Cysteochila chiniana Drake 1942a, p. 5 [China].

Physatochila fieberi (not Scott): Takeya 1951a, p. 20 [Japan; *Cissus japonica*].

Physatocheila fieberi: Takeya 1953d, p. 175.

TYPE: Holotype ♂, macropterous; Tien Sun Shan, China; Drake Coll. (USNM).

DISTRIBUTION: China; Japan; Taiwan.

HOST PLANT: *Cissus japonica*.

Cysteochila collarti Schouteden*Cysteochila collarti* Schouteden 1953b, p. 116 [Congo].

TYPE: Sex unknown; Stanleyville, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Cysteochila consanguinea** (Distant)*Bredenbachius consanguineus* Distant 1909a, p. 118 [Burma]; 1910a, p. 119.*Cysteochila consanguiensis* [sic]: Drake and Poor 1936a, p. 439 [Hainan].*Cysteochila consanguineus*: Drake 1937b, p. 593 [China].

TYPE: Sex unknown; Tenasserim, Burma; British Mus.

DISTRIBUTION: Burma; India; China (Hainan Island).

HOST PLANT: Unrecorded.

***Cysteochila constans** (Drake) emendation*Oncophysa constantis* Drake 1927a, p. 54 [Hong Kong].—Wu 1935, p. 449.*Cysteochila constantis*: Drake and Poor 1937a, p. 11.

TYPE: Holotype ♀, macropterous; Hong Kong; Drake Coll. (USNM).

DISTRIBUTION: Hong Kong.

HOST PLANT: Unrecorded.

***Cysteochila consueta** Drake*Cysteochila consueta* Drake 1948a, p. 5, fig. 2 [Taiwan; Viet-Nam].—Takeya 1951a, p. 21.

TYPE: Holotype ♂; Formosa; Drake Coll. (USNM).

DISTRIBUTION: Taiwan; Viet-Nam.

HOST PLANT: Unrecorded.

Cysteochila cracens Drake (emendation)*Cysteochila cracentis* Drake 1954b, p. 3 [Western Australia].

TYPE: Holotype ♂; Yancep, Western Australia, Australia; British Mus.

DISTRIBUTION: Australia (Western Australia).

HOST PLANT: Unrecorded.

***Cysteochila cremeri** Drake*Cysteochila cremeri* Drake 1955d, p. 2, fig. 1 [Congo].

TYPE: Holotype ♂; Libenge, Belgian Congo; Brussels Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Cysteochila delineata** (Distant)*Bredenbachius delineatus* Distant 1909a, p. 119 [India]; 1910a, p. 119, fig. 61.*Cysteochila delineatus*: Drake 1933, p. 1015.—Drake and Poor 1936b, p. 114 [*Bauhinia purpurea*].—Singh 1953, p. 118.

TYPE: Sex unknown; Calcutta, India; Indian Mus.

DISTRIBUTION: India.

HOST PLANT: *Bauhinia purpurea*.

***Cysteochila dikoana** Drake

Cysteochila dikoana Drake 1954b, p. 4 [Nigeria].

TYPE: Holotype ♀, macropterous; Dikoa, Nigeria; Drake Coll. (USNM).

DISTRIBUTION: Nigeria; Congo.

HOST PLANT: Unrecorded.

Cysteochila emmelia Drake

Cysteochila emmelia Drake 1960, p. 347 [New Guinea].

TYPE: Holotype ♂; Mt. Wilhelm, Northeast New Guinea; Bishop Mus.

DISTRIBUTION: New Guinea (Northeast).

HOST PLANT: Unrecorded.

***Cysteochila endeca** Drake

Cysteochila endeca Drake 1954b, p. 4 [Senegal; Ghana; Uganda; Cape Province].

Cysteochila endica [sic]: Lindberg 1958a, p. 79 [Cape Verde; *Tamarindus indica*].

TYPE: Holotype ♂; Bambey, Senegal; British Mus.

DISTRIBUTION: Senegal; Ghana; Uganda; South Africa (Cape Province); Cape Verde Islands.

HOST PLANT: *Tamarindus indica*.

***Cysteochila euphues** Drake and Ruhoff

Cysteochila euphues Drake and Ruhoff 1962a, p. 157 [Larat].

TYPE: Holotype ♀, macropterous; Larat Island, Tanimbar Islands, E. Malay Archipelago; Cal. Acad.

DISTRIBUTION: Tanimbar Islands (Larat).

HOST PLANT: Unrecorded.

Cysteochila exigua Drake

Cysteochila exigua Drake 1957f, p. 125 [Malagasy].

TYPE: Holotype ♀; Madagascar; Madagascar Sci. Inst.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Cysteochila expleta** Drake and Maa

Cysteochila expleta Drake and Maa 1954, p. 112 [India].

TYPE: Holotype ♂; Kodai Kanal, Madras, India; British Mus.

DISTRIBUTION: India; Philippine Islands (Luzon).

HOST PLANT: Unrecorded.

Cysteochila faceta Drake

Cysteochila faceta Drake 1958c, p. 316 [Malagasy].

TYPE: Holotype ♀; Mont Tsaratanana, Madagascar; Madagascar Sci. Inst.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Cystechila fieberi** (Scott)

Monanthia fieberi Scott 1874, pp. 291, 442 [Japan].

Physatochila fieberi: Lethierry and Severin 1896, p. 21.

Physatochila monstrosa (not Scott): Takeya 1951a, p. 20.

Physatocheila monstrosa: Takeya 1953d, p. 173, pl. 6, fig. 1 [*Boehmeria spicata*].

Cystechila fieberi: Drake and Maa 1954, p. 112 [India; China; Taiwan].

TYPE: Sex unknown; Japan; British Mus.

DISTRIBUTION: Japan; China; Taiwan; India.

HOST PLANT: *Boehmeria spicata*.

Cystechila ghesquierei Schouteden

Cystechila ghesquierei Schouteden 1953b, p. 117 [Congo; *Pseudospondias microcarpa*].

TYPE: Sex unknown; Bengamissa, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: *Pseudospondias microcarpa*.

***Cystechila gibbula** (Horváth)

Physatocheila gibbula Horváth 1912c, p. 342, fig. 2 [Java].

Cystechila gibbula: Drake and Ruhoff 1961c, p. 145.

TYPE: Holotype ♂; Banjuwangi, Java; Hungarian Mus.

DISTRIBUTION: Greater Sunda Islands (Java).

HOST PLANT: Unrecorded.

***Cystechila hackeri** Drake

Cystechila hackeri Drake 1939a, p. 87 [South Australia].

TYPE: Holotype ♀, macropterous; Melrose, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (South Australia).

HOST PLANT: Unrecorded.

***Cystechila humeralis** (Distant)

Bredenbachius humeralis Distant 1909a, p. 120 [India]; 1910a, p. 121, fig. 62.

TYPE: Sex unknown; Dhikala, Naini Tal, Upper Province, India; Indian Mus.

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

***Cystechila humerella** Drake

Cystechila humerella Drake 1958c, p. 317 [Malagasy].

TYPE: Holotype ♂; Analavelona, Madagascar; Madagascar Sci. Inst.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Cysteochila idonea** Drake

Cysteochila idonea Drake 1956d, p. 109, fig. 4 [Kusaie; Three Sisters]; 1960, p. 345, fig. 5 [New Guinea].

TYPE: Holotype ♂, macropterous; Mt. Matante, Kusaie, Caroline Islands; USNM.

DISTRIBUTION: Caroline Islands (Kusaie); Solomon Islands (Three Sisters); New Guinea (Northeast).

HOST PLANT: Unrecorded.

***Cysteochila impressa** Horváth

Cysteochila impressa Horváth 1910, p. 66 [Tanganyika].—Drake 1954a, p. 232 [Senegal]; 1957f, p. 127 [Malagasy].

TYPE: Holotype ♂; Kibongoto, Kilimandjaro; Stockholm Mus.

DISTRIBUTION: Tanganyika; Kenya; Senegal; Malagasy Republic.

HOST PLANT: Unrecorded.

***Cysteochila incolana** Drake

Cysteochila incolana Drake 1956h, p. 18 [Cape Province]; 1961c, p. 129, pl. 8.

TYPE: Holotype ♂; Lion's Head, Capetown, South Africa; British Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

Cysteochila ituriensis Schouteden

Cysteochila ituriensis Schouteden 1953b, p. 121 [Congo].

TYPE: Sex unknown; Bondo Mabe, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

Cysteochila jacobsoni (Blöte)

Bredembachius jacobsoni Blöte 1945, p. 89 [Java].

TYPE: Sex unknown; Gunung Gedeh, Java; Leiden Mus.

DISTRIBUTION: Greater Sunda Islands (Java).

HOST PLANT: Unrecorded.

***Cysteochila javensis** Drake and Poor

Cysteochila javensis Drake and Poor 1937b, p. 400 [Java].

TYPE: Holotype ♀, macropterous; Pekalongan, Java; Drake Coll. (USNM).

DISTRIBUTION: Greater Sunda Islands (Java); India.

HOST PLANT: Unrecorded.

Cysteochila jimmina Drake

Cysteochila jimmina Drake 1960, p. 349 [New Guinea].

TYPE: Holotype ♀; Kumur, Upper Jimmi Valley, Northeast New Guinea; Bishop Mus.

DISTRIBUTION: New Guinea (Northeast).

HOST PLANT: Unrecorded.

Cysteochila josephinae (Schouteden)

Physatochila josephinae Schouteden 1923, p. 106 [Congo].

Cysteochila josephinae: Drake and Ruhoff 1961c, p. 145.

TYPE: Sex unknown; Vista, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

Cysteochila katangae Schouteden

Cysteochila katangae Schouteden 1953b, p. 123 [Congo].

TYPE: Sex unknown; Elizabethville, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

Cysteochila kintambo Schouteden

Cysteochila kintambo Schouteden 1953b, p. 118 [Congo].

TYPE: Sex unknown; Leopoldville, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Cysteochila lecta** Drake and Poor

Cysteochila lecta Drake and Poor 1937a, p. 7 [Borneo].

TYPE: Holotype ♀, macropterous; Sandakan, Borneo; USNM.

DISTRIBUTION: Greater Sunda Islands (Borneo).

HOST PLANT: Unrecorded.

Cysteochila lita Drake

Cysteochila lita Drake 1960, p. 345, fig. 6 [New Guinea].

TYPE: Holotype ♂; Wisselmeren, Enarotadi, Netherlands New Guinea; Bishop Mus.

DISTRIBUTION: New Guinea (Netherlands).

HOST PLANT: Unrecorded.

Cysteochila lueboensis Schouteden

Cysteochila lueboensis Schouteden 1953b, p. 119 [Congo; *Hevea*].

TYPE: Sex unknown; Luebo, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: *Hevea* sp.

***Cysteochila luzona** Drake and Maa

Cysteochila luzona Drake and Maa 1955, p. 4 [Luzon].

TYPE: Holotype ♀, macropterous; Mt. Makiling, Luzon, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Luzon).

HOST PLANT: Unrecorded.

***Cysteochila malaisaei** Drake and Ruhoff

Cysteochila malaisaei Drake and Ruhoff 1962a, p. 158 [Burma].

TYPE: Holotype ♂, macropterous; Kambaiti, Burma; Stockholm Mus.

DISTRIBUTION: Burma.

HOST PLANT: Unrecorded.

***Cysteochila malayana** Drake

Cysteochila malayana Drake 1956h, p. 19 [Malaya].

TYPE: Holotype ♂, macropterous; Salangor, Malaya; British Mus.

DISTRIBUTION: Federation of Malaya; Laut Island.

HOST PLANT: Unrecorded.

Cysteochila maynei Schouteden

Cysteochila maynei Schouteden 1916b, p. 296 [Congo].

TYPE: Sex unknown; Congo da Lemba, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

Cysteochila mokuensis Schouteden

Cysteochila mokuensis Schouteden 1953b, p. 120 [Congo].

TYPE: Sex unknown; Moku, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Cysteochila monstrosa** (Scott)

Monanthia monstrosa Scott 1874, pp. 291, 441 [Japan].

Physatochila monstrosa: Lethierry and Severin 1896, p. 21.—Oshanin 1908, p. 449.

Cysteochila monostrosa [sic]: Drake and Ruhoff 1961c, p. 145.

TYPE: Sex unknown; Japan; apparently lost.

DISTRIBUTION: Japan; China (Fukien).

HOST PLANT: Unrecorded.

***Cysteochila munda** Drake

Cysteochila munda Drake 1954b, p. 5 [Cape Province].

TYPE: Holotype ♂, macropterous; Pondoland, Cape Province, South Africa; British Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

***Cysteochila natalensis** (Stål)

Physatocheila natalensis Stål 1855a, p. 38 [Natal].

Monanthia (Physatochila) natalensis: Stål 1865, p. 28 [Caffraria].

Monanthia (Compseuta) natalensis: Stål 1873, p. 133.

Monanthia natalensis: Walker 1873a, p. 195.—Distant 1902a, p. 242, pl. 15, fig. 10.

Physatochila sordidula Horváth 1910, p. 66 [Tanganyika].

Cysteochila humeralis (not Distant) Schouteden 1953b, p. 122 [Congo].

Cysteochila gibbosula Schouteden 1955b, p. 168.

Cysteochila natalensis: Drake 1956b, p. 109.

TYPE: Sex unknown; Natal, South Africa; Stockholm Mus.

DISTRIBUTION: South Africa (Natal); Congo; Tanganyika; Uganda; Kenya.

HOST PLANT: Unrecorded.

**Cysteochila nativa* Drake

Cysteochila nativa Drake 1960, p. 347, fig. 7 [New Guinea].

TYPE: Holotype ♀, macropterous; Finchhafen, Northeast New Guinea; Drake Coll. (USNM).

DISTRIBUTION: New Guinea (Northeast)

HOST PLANT: Unrecorded.

**Cysteochila nervosana* Drake

Cysteochila nervosana Drake 1956b, p. 110 [Natal; Cape Province].

TYPE: Holotype ♀; Weenan, Natal, South Africa; British Mus.

DISTRIBUTION: South Africa (Natal; Cape Province).

HOST PLANT: Unrecorded.

Cysteochila nigriceps (Signoret)

Monanthia nigriceps Signoret 1861, p. 955 [Malagasy].—Stål 1873, p. 134.

Monanthia (Physatochila) nigriceps: Stål 1865, p. 29.

Cysteochila nigriceps: Lethierry and Severin 1896, p. 22.—Drake and Ruhoff 1960c, p. 31.

TYPE: Sex unknown; Madagascar; Vienna Mus.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

**Cysteochila nitens* (Drake and Poor)

Oncophysa nitentis Drake and Poor 1937a, p. 11 [Luzon].

Cysteochila nitens: Drake and Ruhoff 1961c, p. 145.

TYPE: Holotype ♀, macropterous; Mount Banahao, Luzon, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Luzon).

HOST PLANT: Unrecorded.

**Cysteochila orta* Drake and Maa

Cysteochila orta Drake and Maa 1953, p. 93 [China].

TYPE: Holotype ♀, macropterous; Foochow, Fukien, China; Drake Coll. (USNM).

DISTRIBUTION: China.

HOST PLANT: Unrecorded.

**Cysteochila oscitans* Drake and Maa (emendation)

Cysteochila oscitantis Drake and Maa 1953, p. 93 [China].

TYPE: Holotype ♂, macropterous; Shaowu Hsien, Fukien, China; Drake Coll. (USNM).

DISTRIBUTION: China.

HOST PLANT: Unrecorded.

**Cysteochila otaviana* Drake

Cysteochila otaviana Drake 1954b, p. 6 [South-West Africa].

TYPE: Holotype ♂, macropterous; Otavi, South-West Africa; Drake Coll. (USNM).

DISTRIBUTION: South-West Africa.

HOST PLANT: Unrecorded.

***Cysteochila pallens** Horváth

Cysteochila pallens Horváth 1915, p. 331 [Eritrea].—Silvestri 1915, p. 241 [*Olea chrysophylla*]; 1934, p. 259, fig. 223.

TYPE: Sex unknown; Nefasit, Eritrea; Hungarian Mus.

DISTRIBUTION: Eritrea.

HOST PLANT: *Olea chrysophylla*.

***Cysteochila phae** Drake and Ruhoff

Cysteochila phae Drake and Ruhoff 1961c, p. 148, fig. 3 [Uganda; French Somaliland].

TYPE: Holotype ♂, macropterous; Djibouti, French Somaliland; Paris Mus.

DISTRIBUTION: Uganda; French Somaliland.

HOST PLANT: Unrecorded.

Cysteochila phiala Drake

Cysteochila phiala Drake 1957f, p. 126 [Malagasy].

TYPE: Holotype ♂; Tananarive-Tsimbazaza, Madagascar; Madagascar Sci. Inst.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Cysteochila picta** (Distant)

Bredenbachius pictus Distant 1903a, p. 50 [Burma]; 1903b, p. 140, fig. 103.

Cysteochila pictus: Drake 1930c, p. 168 [Luzon].

Cysteochila picta: Drake and Poor 1937a, p. 7 [Mindanao].

TYPE: Sex unknown; Myitta, Tenasserim, Burma; British Mus.

DISTRIBUTION: Burma; Philippine Islands (Luzon; Mindanao).

HOST PLANT: Unrecorded.

***Cysteochila poecilia** Drake and Ruhoff

PLATE 9

Cysteochila poecilia Drake and Ruhoff 1961c, p. 146, fig. 2 [Chad].

TYPE: Holotype ♀; Sahara, south of Tibesti, Chad; Paris Mus.

DISTRIBUTION: Republic of Chad.

HOST PLANT: Unrecorded.

***Cysteochila ponda** Drake

Cysteochila ponda Drake 1937b, p. 593, fig. 18 [China].

TYPE: Holotype ♀, macropterous; Hong Shan, Kiangsi, China; Drake Coll. (USNM).

DISTRIBUTION: China.

HOST PLANT: Unrecorded.

Cysteochila propria Drake

Cysteochila propria Drake 1958c, p. 318 [Malagasy].

TYPE: Holotype ♀; Périnet, Madagascar; Madagascar Sci. Inst.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Cysteochila rhodesiae** Drake*Cysteochila rhodesiae* Drake 1954b, p. 7 [Rhodesia].*Cysteochila rhodesia* [sic]: Drake 1958a, p. 103 [Angola].

TYPE: Holotype ♂, macropterous; Southern Rhodesia; Hungarian Mus.

DISTRIBUTION: Southern Rhodesia; Angola.

HOST PLANT: Unrecorded.

NOTE: Taken in light trap [Drake 1958a].

***Cysteochila rubida** Horváth*Cysteochila rubida* Horváth 1924, p. 193 [Malagasy].

TYPE: Sex unknown; Sinus Antongil, Madagascar; Hungarian Mus.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Cysteochila rustica** Drake*Cysteochila rustica* Drake 1957c, p. 400 [Reunion].

TYPE: Holotype ♂, macropterous; Saint-Denis, La Montagne, Reunion; Madagascar Sci. Inst.

DISTRIBUTION: Mascarene Islands (Reunion).

HOST PLANT: Unrecorded.

Cysteochila seydeli Schouteden*Cysteochila seydeli* Schouteden 1953b, p. 119 [Congo].

TYPE: Sex unknown; Elizabethville, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Cysteochila sordida** (Stål)*Monanthia (Physatocheila) sordida* Stål 1859, p. 259 [Cape Province]; 1865, p. 29.*Monanthia sordida*: Walker 1873a, p. 195.*Cysteochila sordida*: Stål 1873, p. 129.—Distant 1902a, p. 242.—Silvestri 1915, p. 241 [*Olea verrucosa*]; 1934a, p. 259.—Horváth 1925a, p. 3.

TYPE: Sex unknown; Cape of Good Hope, South Africa; Stockholm Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: *Olea verrucosa*.***Cysteochila suenisoni** Drake*Cysteochila suenisoni* Drake 1942a, p. 5 [China].

TYPE: Holotype ♀, macropterous; Tien Sun Shan, China; Drake Coll. (USNM).

DISTRIBUTION: China.

HOST PLANT: Unrecorded.

Cysteochila suspecta Schouteden

Cysteochila ? suspecta Schouteden 1953b, p. 121 [Congo].

TYPE: Sex unknown; Uvira, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

Cysteochila syscena Drake

Cysteochila syscena Drake 1960, p. 350 [New Britain].

TYPE: Holotype ♀; Ti, Nakanai Mts., New Britain; Bishop Mus.

DISTRIBUTION: New Britain Island, Bismarck Archipelago.

HOST PLANT: Unrecorded.

***Cysteochila taprobanes** Kirkaldy

Cysteochila taphrobanes Kirkaldy 1908c, p. 12 [Ceylon].—Distant 1910a, p. 126.

TYPE: Galle, Ceylon; sex and deposition of type unknown.

DISTRIBUTION: Ceylon; India.

HOST PLANT: Unrecorded.

***Cysteochila tarda** Drake

Cysteochila tarda Drake 1954a, p. 235 [Senegal; Sudan].

TYPE: Holotype ♂; Bambey, Senegal; Inst. Fr. Afr. N.

DISTRIBUTION: Senegal; Sudan.

HOST PLANT: "Kittirbush."

***Cysteochila terminalis** Drake

Cysteochila terminalis Drake 1948a, p. 6 [India].

TYPE: Holotype ♀, macropterous; Samsingh, Kalimpong, India; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

***Cysteochila tingoides** (Motschulsky)

Monanthia ? tingoides Motschulsky 1863, p. 92 [Ceylon].—Kirby 1891, p. 109.

Cysteochila tingoides: Stål 1873, p. 129.—Distant 1903b, p. 139.—Bergroth 1921, p. 103.—Drake 1948a, p. 4 [India].

TYPE: Sex unknown; Montagnes de Nura-Ellia, Ceylon; Leningrad Inst.

DISTRIBUTION: Ceylon; India.

HOST PLANT: Unrecorded.

***Cysteochila tombeuri** Schouteden

Cysteochila tombeuri Schouteden 1923, p. 103 [Tanganyika].—Drake 1958a, p. 103 [Angola; So. Rhodesia; Mozambique; Kenya].

TYPE: Sex unknown; Kigoma, Tanganyika; Cent. Afr. Mus.

DISTRIBUTION: Tanganyika; Kenya; Angola; Mozambique; Southern Rhodesia.

HOST PLANT: Unrecorded.

***Cystechila tricolor** (Hacker)

Furcilliger tricolor Hacker 1929, p. 332, text fig. 1 [Queensland].

Cystechila franzeni Drake 1942a, p. 4.

Cystechila bicolor [sic]: Drake 1942a, p. 1.

Cystechila tricolor: Drake and Maa 1953, p. 92.

TYPE: Sex unknown; Mount Glorious, Queensland, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Cystechila tzitzikamana** Drake

Cystechila tzitzikamana Drake 1956f, p. 422 [Cape Province].

TYPE: Holotype ♂; Tzitzikama Forest, Stormrivierpick, Cape Province, South Africa; Lund Zool. Inst.

DISTRIBUTION: South Africa (Cape Province); Congo.

HOST PLANT: Unrecorded.

***Cystechila undosa** Drake

Cystechila undosa Drake 1942a, p. 6 [Burma].

TYPE: Holotype ♂, macropterous; Kambaiti, Burma; Drake Coll. (USNM).

DISTRIBUTION: Burma.

HOST PLANT: Unrecorded.

***Cystechila vadosa** Drake

Cystechila vadosa Drake 1956h, p. 18 [Natal].

TYPE: Holotype ♂, macropterous; Umkomaas, Natal, South Africa; Drake Coll. (USNM).

DISTRIBUTION: South Africa (Natal).

HOST PLANT: Unrecorded.

***Cystechila visenda** Drake and Poor

Cystechila visenda Drake and Poor 1937a, p. 8 [Negros].

TYPE: Holotype ♂, macropterous; Cuernos Mountains, Oriental Negros Province, Negros, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Negros).

HOST PLANT: Unrecorded.

***Cystechila vitilevuana** Drake and Poor

Monanthua natalensis (not Stål): Kirkaldy 1908b, p. 366 [Fiji].

Cystechila vitilevuana Drake and Poor 1943, p. 193.—Drake and Hurd 1945a, p. 287, fig. 1.

TYPE: Holotype ♂; Nandarivatu, Viti Levu, Fiji; Bishop Mus.

DISTRIBUTION: Fiji Islands (Viti Levu).

HOST PLANT: Unrecorded.

***Cysteochila vota** Drake

Cysteochila vota Drake 1948a, p. 7 [Japan].—Takeya 1951a, p. 21.

TYPE: Holotype ♀, macropterous; Moji, Japan; Drake Coll. (USNM).

DISTRIBUTION: Japan.

HOST PLANT: Unrecorded.

***Cysteochila vota** var. *fida* Drake and Maa

Cysteochila vota var. *fida* Drake and Maa 1953, p. 92 [China].

TYPE: Holotype ♂, macropterous; Shaowu City, Fukien, China; Drake Coll. (USNM).

DISTRIBUTION: China.

HOST PLANT: Unrecorded.

***Cysteochila wechinai** Drake

Cysteochila chiniana Drake 1954b, p. 5 (not 1942) [Luzon].

Cysteochila wechinai Drake 1954f, p. 5.

TYPE: Holotype ♂; Trinidad, Luzon, Philippine Islands; British Mus.

DISTRIBUTION: Philippine Islands (Luzon).

HOST PLANT: Unrecorded.

***Cysteochila yungana** Drake and Maa

Cysteochila yungana Drake and Maa 1955, p. 4 [China].

TYPE: Holotype ♀, macropterous; Yungana City, Fukien, China; Drake Coll. (USNM).

DISTRIBUTION: China.

HOST PLANT: Unrecorded.

Cysteochila zavattarii Mancini

Cysteochila zavattarii Mancini 1953a, p. 184 [Ethiopia].

TYPE: Holotype ♀; Mega, Ethiopia; Mancini Coll.

DISTRIBUTION: Ethiopia.

HOST PLANT: Unrecorded.

Genus DASYTINGIS Drake and Poor

Dasytingis Drake and Poor 1936b, p. 145.—Drake and Ruhoff 1960a, p. 49.

TYPE SPECIES: *Dasytingis rudis* Drake and Poor.

***Dasytingis rudis** Drake and Poor

Dasytingis rudis Drake and Poor 1936b, p. 145, fig. 1 [India].—Drake and Ruhoff 1962c, p. 133.

Tingis bengalana Drake 1956h, p. 20.

TYPE: Holotype ♂, macropterous; Hoshangabad, Rahatgaon, India; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: *Vitex ruganda*.

***Dasytingis semota** Drake and Lutz

Dasytingis semota Drake and Lutz 1953, p. 104 [India].

TYPE: Holotype ♂, macropterous; Karikal, India; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

Genus DICHOCYSTA Champion

Dichocysta Champion 1898a, p. 33.—Banks 1910, p. 56.—Van Duzee 1916, p. 26; 1917b, p. 221.—Blatchley 1926, p. 485.—Hurd 1946, p. 453.—Drake and Ruhoff 1960a, p. 50.

TYPE SPECIES: *Dichocysta pictipes* Champion.

***Dichocysta pictipes** Champion

Dichocysta pictipes Champion 1898a, p. 34, pl. 3, figs. 1, 1a, b, 2 [Guatemala; Panama].—Heidemann 1899a, p. 339 [Ariz.].—Barber 1910, p. 38.—Drake 1918d, p. 88 [Fla.]; 1928c, p. 2 [Honduras; cacao]; 1938a, p. 70 [Mexico].—Blatchley 1926, p. 485 [Costa Rica].

TYPE: Sex unknown: David, Chiriqui, Panama; British Mus.

DISTRIBUTION: U.S. (Fla.; Tex.; Ariz.); Mexico; Guatemala; Honduras; Costa Rica; Panama.

HOST PLANT: Cacao.

Genus DICONOCORIS Mayr

Diconocoris Mayr 1865, p. 442.—Stål 1873, p. 134.—Lethierry and Severin 1896, p. 25.—Drake 1937a, p. 386.—Drake and Ruhoff 1960a, p. 50.

Diplogomphus Horváth 1906c, p. 296.—Drake and Poor 1937a, p. 10.—Drake and Ruhoff 1960a, p. 53.

TYPE SPECIES: *Diconocoris javanus* Mayr.

***Diconocoris capusi** (Horváth)

PLATES 30, 31

Diplogomphus capusi Horváth 1906c, p. 296, fig. [Viet-Nam].—Drake and Poor 1937a, p. 10.

Diconocoris capusi: Drake 1937a, p. 386.—Drake and Davis 1960, fig. 54.

TYPE: Indochina; sex and deposition of type unknown.

DISTRIBUTION: Viet-Nam.

HOST PLANT: Unrecorded.

***Diconocoris distanti** Drake

Elasmognathus greeni (not Kirby): Distant 1903b, p. 142, fig. 105 [Ceylon; *Piper nigrum*].

Diconocoris distanti Drake 1954f, p. 4.

TYPE: Holotype ♂; Peradeniya, Ceylon; British Mus.

DISTRIBUTION: Ceylon.

HOST PLANT: *Piper nigrum*.

Diconocoris greeni (Kirby)

Elasmognathus greeni Kirby 1891, p. 109, pl. 4, fig. 5. [Ceylon].—

Kirkaldy 1902, p. 297.

Elasmognathus pallida Kirby 1891, p. 110.

Diplogomphus greeni: Drake and Poor 1937a, p. 10.

Diconocoris greeni: Drake 1937a, p. 386.

TYPE: Sex unknown; Ceylon; British Mus.

DISTRIBUTION: Ceylon.

HOST PLANT: Wild pepper.

***Diconocoris hewetti** (Distant)

Elasmognathus hewetti Distant 1908b, p. 127, pl. 7, figs. 2, 2a [Borneo].

Elasmognathus picturatus Distant 1909c, p. 165, pl. 10, fig. 4, 4a.

Elasmognathus hewitti [sic]: van der Vecht 1931, pp. 824, 828 [Sumatra; pepper]; 1935, pp. 484, 492, pl. 1 [Bangka Islands].

Diplogomphus hewitti [sic]: Drake and Poor 1937a, p. 10.—Blöte 1945, p. 89.

Cysteochila picturatus: Drake 1937a, p. 386.

Diconocoris hewetti: Drake 1937a, p. 386.—Drake and Ruhoff 1960c, p. 36.

TYPE: Sex unknown; Kuching, Borneo; British Mus.

DISTRIBUTION: Greater Sunda Islands (Borneo; Sumatra); Bangka Islands.

HOST PLANT: Pepper.

NOTE: Biology [van der Vecht 1935].

***Diconocoris inusitatus** (Drake)

Elasmognathus inusitatus Drake 1927d, p. 309 [Luzon].

Diplogomphus inusitatus: Drake and Poor 1937a, p. 10.

Diconocoris inusitatus: Drake 1937a, p. 386.

TYPE: Holotype ♂, macropterous; Mount Maquiling, Luzon, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Luzon).

HOST PLANT: Unrecorded.

***Diconocoris javanus** Mayr

Diconocoris javanus Mayr 1865, p. 442 [Java].—Stål 1873, p. 134.—

Drake 1937a, p. 386, figs. 1a, b.—Drake and Poor 1941, p. 160 [Amboina].

Monanthia javana: Walker 1873a, p. 196.

TYPE: Sex unknown; Java; Vienna Mus.

DISTRIBUTION: Greater Sunda Islands (Java); Moluccas (Amboina).

HOST PLANT: Unrecorded.

Diconocoris nepalensis (Distant)

Elasmognathus nepalensis Distant 1909a, p. 120 [Nepal]; 1910a, p. 122, fig. 63.

Diplogomphus nepalensis: Bergroth 1911, p. 186.

Diplogomphus napalensis [sic]: Drake and Poor 1937a, p. 10 [India].

Diconocoris nepalensis: Drake 1937a, p. 386.

TYPE: Sex unknown; Thamaspur, Nepal; Indian Mus.

DISTRIBUTION: Nepal; India.

HOST PLANT: Unrecorded.

Genus DICROTINGIS Drake and Ruhoff

Dicrotingis Drake and Ruhoff 1960c, p. 34.

TYPE SPECIES: *Leptopharsa digitalis* Drake.

***Dicrotingis digitalis** (Drake)

PLATE 26

Leptopharsa digitalis Drake 1928d, p. 22 [Haiti; *Phyllostylon rhamnoides*].

Dicrotingis digitalis: Drake and Ruhoff 1960c, p. 35, fig. 4a, b.

TYPE: Lectotype ♂, macropterous; Crox des Missiones, Plaine Gulde Sac, Haiti; Drake Coll. (USNM).

DISTRIBUTION: Haiti.

HOST PLANT: *Phyllostylon rhamnoides*.

NOTE: Holotype apparently lost. Paratype ♂, same locality and date as holotype, here designated as lectotype.

Genus DICTYLA Stål

Dictyla Stål 1874, p. 57.—Drake and Ruhoff 1960a, p. 50.—Stichel 1960a, p. 336; 1960b, p. 400; 1960c, p. 139.

Monanthia (of most authors, but not Le Peletier and Serville; see Drake and Ruhoff 1960a, pp. 45, 50).—Mayr 1858, p. 571.—Stål 1873, pp. 122, 133.—Horváth 1874b, p. 432; 1906a, pp. 15, 97 (key).—d'Antessanty 1890, p. 32.—Lethierry and Severin 1896, p. 23.—Oshanin 1908, p. 450; 1912, p. 45.—Banks 1910, p. 57.—Jensen-Haarup 1912, p. 155 (key).—Van Duzee 1917b, pp. 223, 819.—Drake 1917c, pp. 49–52 (key); 1943a, p. 142.—Sahlberg 1920, p. 84.—Stichel 1926, pp. 105, 115 (key); 1935, p. 349; 1938a, p. 408.—de Seabra 1931, pp. 408, 434 (key).—Lindberg 1932a, p. 44.—Börner 1935, pp. 74, 78 (key).—Scholte 1935, p. 91 (key).—Drake and Poor 1936c, p. 388.—Gulde 1938, pp. 245, 311 (key).—Monte 1939b, p. 76; 1941e, p. 123.—China 1943, p. 248.—Hoberlandt 1943, p. 124.—Blöte 1945, p. 90.—Hurd 1946, p. 450.—Kiritschenko 1951, pp. 242, 253 (key).—Singer 1952, p. 54.

TYPE SPECIES: *Monanthia platyoma* Fieber.

Dictyla abyssinica (Drake)

Monanthia abyssinica Drake 1954g, p. 658, fig. 1 [Ethiopia; *Cordia abyssinica*].

Dictyla abyssinica: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♀; Doukam, Ethiopia; British Mus.

DISTRIBUTION: Ethiopia.

HOST PLANT: *Cordia abyssinica*.

***Dictyla aima** Drake

Dictyla aima Drake 1961b, p. 107, pl. 3 [Queensland].

TYPE: Holotype ♂; Queensland, Australia; Austr. Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Collected on "cuolahah box."

***Dictyla ainsliei** (Drake and Poor)

Monanthia ainsliei Drake and Poor 1938a, p. 28, fig. 1 [Guatemala].

Dictyla ainsliei: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♀, macropterous; Concepcion, Guatemala; Drake Coll. (USNM).

DISTRIBUTION: Guatemala.

HOST PLANT: Unrecorded.

***Dictyla alia** Drake and Cobben

Dictyla alia Drake and Cobben 1960, pp. 67, 69, figs. 74a, 75a, 76a, 77 [Curaçao; Aruba; Bonaire; *Cordia alba*].

TYPE: Holotype ♂, macropterous; St. Martha, Curaçao, Netherlands Antilles; Drake Coll. (USNM).

DISTRIBUTION: Netherlands Antilles (Curaçao; Aruba; Bonaire).

HOST PLANT: *Cordia alba*.

***Dictyla amitina** (Horváth)

Monanthia amitina Horváth 1925a, p. 13 [Queensland].—Hacker 1927 p. 25, fig. 18; 1928a, p. 181.

Dictyla amitina: Drake and Ruhoff 1960a, p. 51.—Drake 1961b, p. 107 pl. 3.

TYPE: Sex unknown; Queensland, Australia; Stockholm Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Dictyla aurigana** (Drake)

Monanthia aurigana Drake 1954b, p. 2 [Natal].

Dictyla aurigana: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♂; Shepstone, Natal, South Africa; British Mus.

DISTRIBUTION: South Africa (Natal).

HOST PLANT: Unrecorded.

**Dictyla aurigana* subsp. *discoris* (Drake)

Monanthia aurigana subsp. *discoris* Drake 1954b, p. 2 [Tanganyika].

Dictyla aurigana subsp. *discoris*: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♀, macropterous; Lindi, Tanganyika; Drake Coll. (USNM).

DISTRIBUTION: Tanganyika.

HOST PLANT: Unrecorded.

**Dictyla balli* (Drake)

Monanthia balli Drake 1922c, p. 355 [Haiti].—Drake and Bruner 1924a, p. 144.

Dictyla balli: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♀, macropterous; Port au Prince, Haiti; Drake Coll. (USNM).

DISTRIBUTION: Haiti; Bahama Islands (Cat and Harbor Islands).

HOST PLANT: Unrecorded.

**Dictyla berryi* (Drake)

Monanthia berryi Drake 1943a, pp. 141, 142.—Drake and Hambleton 1944b, p. 121 [Peru]; 1945, p. 356 [Ecuador].

Dictyla berryi: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♂, macropterous; Chanchaqui, Peru; USNM.

DISTRIBUTION: Peru; Ecuador.

HOST PLANT: Unrecorded.

NOTE: Drake and Hambleton 1944b corrected the type locality to "Chanchaqui, Peru" not "Montevideo, Uruguay" as published in the original description.

**Dictyla burgeoni* (Schouteden)

Monanthia burgeoni Schouteden 1923, p. 107 [Congo].

TYPE: Sex unknown; Bas Uelé, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

NOTE: Further study reveals this to be a valid species, not a synonym of *nodipennis* as designated in Drake 1956a, p. 4.

Dictyla burgeoni var. *satanas* (Schouteden)

Monanthia burgeoni var. *satanas* Schouteden 1923, p. 107 [Congo].

TYPE: Sex unknown; Bas Uelé, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

**Dictyla cheriani* (Drake)

Monanthia cheriani Drake 1936a, p. 145 [India; *Corida*].

Dictyla cheriani: Drake and Ruhoff 1960a, p. 51; 1961b, p. 131, fig. 7.

TYPE: Holotype ♂, macropterous; Coimbatore, India; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: *Corida* sp.

***Dictyla c-nigrum** (Champion)

Monanthia c-nigrum Champion 1898a, p. 47, pl. 3, fig. 25 [Mexico; Guatemala; Nicaragua].—Van Duzee 1907, p. 23 [Jamaica].—Drake 1922c, p. 355 [Haiti]; 1929, p. 35 [Costa Rica]; 1943a, p. 142 [Brazil].—Barber 1939, p. 372.—Monte 1941d, p. 100.—Drake and Hambleton 1945, p. 356.

Dictyla c-nigrum: Drake and Ruhoff 1960a, p. 51.

TYPE: Sex unknown; Atoyac, Mexico; British Mus.

DISTRIBUTION: Mexico; Guatemala; Nicaragua; Costa Rica; Haiti; Jamaica; Brazil; Guadeloupe Island.

HOST PLANT: Unrecorded.

Dictyla collarti (Schouteden)

Monanthia collarti Schouteden 1953e, p. 196 [Congo].

Dictyla collarti: Drake and Ruhoff 1960a, p. 51.

TYPE: Sex unknown; Mayumbe, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Dictyla coloradensis** (Drake)

Monanthia coloradensis Drake 1917c, pp. 50, 51, fig. 1b [Colo.].

Dictyla coloradensis: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♀, macropterous; Colorado, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Colo.; Tex.; Oreg.).

HOST PLANT: Unrecorded.

***Dictyla comes** (Drake)

Monanthia comes Drake 1948a, p. 2 [China]; 1954g, p. 658 [Ethiopia; Cape Province; Orange Free State; Natal; Uganda]; 1956a, p. 4 [Congo; India; Arabia; Egypt; Morocco; Senegal; Kenya; Nigeria; West Africa].

Dictyla comes: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♂, macropterous; Kuming, Tausan-fu, Yunnan Province, China; Drake Coll. (USNM).

DISTRIBUTION: China; India; Arabia; Morocco; Egypt; Ethiopia; Congo; Senegal; Kenya; Uganda; Nigeria; South Africa (Orange Free State; Cape Province; Natal); West Africa.

HOST PLANT: Unrecorded.

***Dictyla convergens** (Herrich-Schaeffer)

Tingis convergens Herrich-Schaeffer 1835, p. 59.

Monanthia convergens: Burmeister 1835, p. 261 [*Myosotis palustris*].—Herrich-Schaeffer 1837, p. 15, pl. 114, p. 361; 1838, p. 58.

Monanthia (Physatocheila) humuli (not Fabricius): Fieber 1844, p. 84, pl. 7, figs. 17–18 [Austria; Germany; Czechoslovakia; England].—Herrich-Schaeffer 1850, p. 153.—Flor 1860, p. 355 [Estonia; Latvia; Sweden; France].

Monanthia humuli: Scholz 1847, p. 120.—Fieber 1861, p. 125.—Douglas and Scott 1865, p. 244.—Frey-Gessner 1865, p. 232 [Switzerland].—Jakovlev 1869, p. 111 [Russia].—Garbiglietti 1869, p. 273 [Italy].—Gredler 1870, p. 75.—Thomson 1871, p. 398.—Saunders 1875, p. 249; 1892, p. 136, pl. 13, fig. 1 [Scotland; Wales; *Myosotis*].—Reiber and Puton 1876, p. 69.—Vollenhoven 1878, p. 274, pl. 9, fig. 6 [Netherlands].—Puton 1879c, p. 122; 1886a, p. 12.—Chicote 1880, p. 189 [Spain].—Reuter 1882b, p. 163 [Finland; *Myosotis lingu-lata*].—Ferrari 1884, p. 475 [Tunisia].—Hüeber 1893, p. 352.—Horváth 1906a, pp. 99, 102.—Mužik 1907, p. 63.—Oshanin 1908, p. 452 [Belgium; Hungary; Rumania; Portugal].—Jensen-Haarup 1912, pp. 155, 157, fig. 98c [Denmark].—Schumacher 1914, p. 259.—Reichensperger 1920, p. 62.—Butler 1923, p. 215.—Stichel 1926, p. 116, fig. 306.—Ross and Hedicke 1927, p. 188.—de Seabra 1931, p. 436, fig. 507.—Scholte 1935, p. 91, fig. 25 [*Myosotis cespitosa*].—Gulde 1938, p. 315, fig.—Cobben 1948, p. 82; 1958a, p. 14, fig. 17.—Kiritschenko 1951, p. 253.—Leston 1954, p. 101, fig. 5.—Štušák 1957b, pp. 138, 140, figs. 8, 10b, 12b.—Southwood and Leston 1959, p. 151, pl. 21, fig. 12; pl. 25, fig. 2.

Dictyla humuli: Drake and Ruhoff 1960a, p. 51.—Stichel 1960a, p. 341, fig. 175 [Poland].

Dictyla convergens: Drake and Ruhoff 1960b, p. 74, pl. 21.

TYPE: Unknown.

DISTRIBUTION: Germany; France; England; Scotland; Wales; Switzerland; Czechoslovakia; Austria; Italy; Poland; Sweden; Denmark; Finland; Hungary; Rumania; Belgium; Portugal; Spain; Netherlands; U.S.S.R. (Estonia; Latvia); Tunisia.

HOST PLANTS: *Myosotis cespitosa*; *Myosotis lingu-lata*; *Myosotis palustris*; *Myosotis* sp.

NOTE: Study of immature stages [Leston; Štušák]. Described by Herrich-Schaeffer but wrongly accredited by him and others to Klug [Herrich-Schaeffer 1837, p. 15].

**Dictyla echii* (Schrank)

Cimex clavicornis (not Linnaeus): Schrank 1781, p. 265.—Villers 1789, p. 485, pl. 3, fig.

Cimex echii Schrank 1782, p. 276.

Acanthia echii: Schrank 1801, p. 65.—Wolff 1804, p. 130, pl. 13, fig. 124 [*Echium vulgare*].

Tingis humuli (not Fabricius): Fallén 1807, p. 36; 1829, p. 144.—Brullé 1835, p. 340, pl. 26, fig. 1 [Greece].—Blanchard 1840, p. 113.

Tingis echii: Herrich-Schaeffer 1835, p. 59.—Schilling 1838, p. 105.

Monanthia humuli: Burmeister 1835, p. 261.—Costa 1847a, p. 22; 1847c, p. 162.

Monanthia echii: Herrich-Schaeffer 1837, p. 14, pl. 114, fig. 360, 124c; 1838, p. 58.—Jakovlev 1880b, p. 110 [*Echium rubrum*; *Echium italicum*].—Reuter 1891a, p. 26 [Crete].—Horváth 1906a, pp. 99, 103 [Armenia; Turkestan; Siberia; Turkey; Algeria]; 1918a, p. 334.—Oshanin 1908, p. 453 [Belgium; Rumania; Yugoslavia; Iran].—Jensen-Haarup 1912, pp. 155, 157 [Denmark].—Schumacher 1914, p. 259.—Moroder Sala 1920, p. 13.—Stichel 1926, p. 116; 1938a, p. 408 [Albania; Israel; Poland; Norway].—Ross and Hedicke 1927, pp. 86, 136, 181 [*Lycopsis arvensis*].—de Seabra 1931, p. 437, figs. 506 (2-5), 509.—Lindberg 1932a, p. 44 [Morocco]; 1948, p. 60 [Bulgaria].—Scholte 1935, p. 91, fig. 24.—Vidal 1937, p. 199 [*Echium creticum*].—Blöte 1945, p. 90 [Egypt; Tunisia; Corsica].—Cobben 1948, p. 82; 1958a, p. 14, fig. 18.—Kiritshenko 1951, p. 254.—Novak and Wagner 1951, p. 71 [*Echium altissimum*; *Echium pustulatum*].—Mancini 1953a, p. 186.—Bator 1953, p. 327, pl. 4, fig. 6.—Hoberlandt 1955, p. 95 [Cyprus].—Štušák 1957b, pp. 138, 140, fig. 7; 1958, p. 369, fig. 16.

Monanthia clavicornis: Amyot and Serville 1843, p. 298 [France; Sicily].

Monanthia (Physatocheila) wolffii Fieber 1844, p. 86, pl. 7, figs. 22-24 [Germany; Italy; Hungary; Sweden].—Herrich-Schaeffer 1850, p. 153.—Flor 1860, p. 352 [Estonia; Latvia; Caucasus; *Symphytum*; *Pulmonaria*].

Monanthia (Tropidocheila) wolffii: Sahlberg 1848, p. 133 [Finland].

Monanthia wolffii: Mayr 1858, p. 571 [Austria; Czechoslovakia; *Cynoglossum*].—Fieber 1861, p. 125.—Frey-Gessner 1865, p. 232 [Switzerland].—Jakovlev 1869, p. 111; 1880b, p. 109.—Gredler 1870, p. 75 [*Anchusa officinalis*].—Stål 1874, p. 59.—Ferrari 1874, p. 171; 1878, p. 66.—Vollenhoven 1878, p. 275, pl. 9, fig. 7 [Netherlands].—Puton 1879c, p. 120; 1881, p. 123 [Syria].—Bolivar and Chicote 1879, p. 166 [Spain; Portugal].—Reuter 1882b, p. 120.—d'Antessanty 1890, p. 33 [*Cynoglossum officinale*].—Hüeber 1893, p. 349.

Dictyla echii: Drake and Ruhoff 1960a, p. 51.—Stichel 1960a, p. 342, fig. 178 [Poland; Sardinia; *Anchusa arvensis*].

TYPE: Unknown.

DISTRIBUTION: Netherlands; France; Belgium; Spain; Portugal; Germany; Austria; Switzerland; Czechoslovakia; Hungary; Italy; Sicily; Sardinia; Corsica; Poland; Denmark; Sweden; Finland; Norway; Rumania; Yugoslavia; Albania; Bulgaria; Greece; Crete; Cyprus; Turkey; U.S.S.R. (Latvia; Estonia; Siberia; Turkestan; Transcaucasus; Caucasus; Armenia); Syria; Israel; Iran; Morocco; Algeria; Egypt; Tunisia.

HOST PLANTS: *Anchusa arvensis*; *Anchusa officinalis*; *Cynoglossum officinale*; *Cynoglossum* sp.; *Echium altissimum*; *Echium creticum*; *Echium italicum*; *Echium*

pustulatum; *Echium rubrum*; *Echium vulgare*; *Echium* sp.; *Lycopsis arvensis*; *Pulmonaria* sp.; *Symphytum* sp.

NOTE: Study of immature stages [Štuśak 1957b].

Dictyla echii var. **nigricans** (Hoberlandt)

Monanthia echii var. *nigricans* Hoberlandt 1943, pp. 116, 117, 119 [Czechoslovakia].

Dictyla echii var. *nigricans*: Drake and Ruhoff 1960a, p. 51.—Stichel 1960a, p. 342.

TYPE: Holotype ♂; Hodonín, Moravia, Czechoslovakia; Prague Mus.

DISTRIBUTION: Czechoslovakia.

HOST PLANT: Unrecorded.

***Dictyla echii** var. **rufina** (Seidenstücker)

Monanthia echii subvar. *rufina* Seidenstücker 1954, pp. 230, 235 [Turkey].—Hoberlandt 1955, p. 95 [Syria].

Dictyla echii var. *rufina*: Drake and Ruhoff 1960a, p. 51.—Stichel 1960a, p. 342.

TYPE: Turkey; sex and deposition of type unknown.

DISTRIBUTION: Turkey; Syria.

HOST PLANT: Unrecorded.

***Dictyla ehrethiae** (Gibson)

Monanthia ehrethiae Gibson (in Drake 1917c, pp. 49, 50) [Tex.; *Ehretia elliptica*].

Monanthia ehrethia [sic]: Drake 1943a, p. 142 [Mexico].

Dictyla ehrethiae: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♀, macropterous; Brownsville, Texas, U.S.; USNM.

DISTRIBUTION: U.S. (Tex.); Mexico.

HOST PLANT: *Ehretia elliptica*.

***Dictyla evidens** (Drake) (New Status)

Monanthia formosa Drake 1923a, p. 102 [Taiwan].—Esaki 1926, p. 163.—Takeya 1951a, p. 22; 1953b, p. 4, fig. 1 [Japan; *Ehretia thyrsoflora*].—Maa 1957, pp. 119, 131 [*Ehretia taiwaniana*; *Ehretia dicksonii*].

Monanthia evidens Drake 1927a, p. 53 [Luzon]; 1937a, p. 385.—Drake and Poor 1937b, p. 397 [*Ehretia acuminata*].—Takeya 1951a, p. 23.

Monanthia formosana [sic]: Drake and Maa 1953, p. 90 [China].

Dictyla formosa: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♂; Kankau, Formosa; Horn Coll.

DISTRIBUTION: Taiwan; China; Japan; Philippine Islands (Luzon).

HOST PLANTS: *Ehretia acuminata*; *Ehretia dicksonii*; *Ehretia taiwaniana*; *Ehretia thyrsoflora*.

***Dictyla femoralis** (Stål)

Monanthia (Compseuta) femoralis Stål 1873, p. 133 [Caffraria].

Monanthia femoralis: Lethierry and Severin 1896, p. 23.—Distant 1902a, p. 243.

Dictyla femoralis: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♀; Caffraria, South Africa; Stockholm Mus.

DISTRIBUTION: South Africa (Zululand).

HOST PLANT: Unrecorded.

**Dictyla figurata* (Drake)

Monanthia figurata Drake 1922c, p. 354, pl. 39, fig. 12 [Brazil]; 1930a, p. 1; 1931b, p. 510.—Drake and Hambleton 1938b, p. 52 [*Cordia*].

Dictyla figurata: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♂; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil.

HOST PLANT: *Cordia* sp.

**Dictyla flavipes* (Signoret)

Monanthia flavipes Signoret 1861, p. 956 [Malagasy].—Stål 1873, p. 134.

Dictyla flavipes: Drake and Ruhoff 1960a, p. 51; 1960c, p. 29; 1961b, p. 131, fig. 6.

TYPE: Lectotype ♂; Mayotte, Comoro Islands; Vienna Mus.

DISTRIBUTION: Malagasy Republic; Comoro Islands (Mayotte).

HOST PLANT: Unrecorded.

**Dictyla fulvescens* (Kiritshenko)

Monanthia fulvescens Kiritshenko 1952, p. 179 [Russia].

Dictyla fulvescens: Drake and Ruhoff 1960a, p. 51.

TYPE: Sex unknown; Tadzhikistan, Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R.

HOST PLANT: Unrecorded.

Dictyla gerardi (Schouteden)

Monanthia gerardi Schouteden 1953c, p. 198 [Congo].

Dictyla gerardi: Drake and Ruhoff 1960a, p. 51.

TYPE: Sex unknown; Katombe, Katanga, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

**Dictyla haitiensis* (Drake and Poor)

Monanthia haitiensis Drake and Poor 1938a, p. 28 [Haiti].—Hurd 1946, p. 451 [Puerto Rico].

Dictyla haitiensis: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♀, macropterous; Port au Prince, Haiti; Drake Coll. (USNM).

DISTRIBUTION: Haiti; Puerto Rico.

HOST PLANT: *Cordia serrata*.

***Dictyla humuli (Fabricius)**

Acanthia humuli Fabricius 1794, p. 77 [Germany; *Humulus*].

Tingis humuli: Fabricius 1803, p. 126.—Herrich-Schaeffer 1835, p. 58.

Tingis symphyti Vallot 1829, p. 99 [*Symphytum officinale*].

Monanthia costata (not Fabricius): Burmeister 1835, p. 261.—Herrich-Schaeffer 1837, p. 15, pl. 114, fig. 362.

Monanthia (Physatocheila) vesiculifera Fieber 1844, p. 87, pl. 7, figs. 25–26 [Sicily; Italy; Austria].—Herrich-Schaeffer 1850, p. 153.

Monanthia vesiculifera: Scholz 1847, p. 121.—Mayr 1858, p. 571 [Hungary].—Fieber 1861, p. 126.—Frey-Gessner 1865, p. 232 [Switzerland].—Stål 1874, p. 59.—Jakovlev 1876b, p. 66; 1880b, p. 110 [Caucasus].—Vollenhoven 1878, p. 276, pl. 22, fig. 9 [Netherlands].—Sahlberg 1878, p. 21.—Puton 1879c, p. 123 [France].—Dubois 1888, p. 122.—Rey 1893, p. 97.—Hüeber 1893, p. 354 [Czechoslovakia].

Monanthia symphyti: Horváth 1889, p. 326; 1906a, pp. 99, 101 [Yugoslavia; Rumania; Siberia].—Reuter 1891b, p. 184.—Mužik 1907, p. 63.—Oshanin 1908, p. 452 [Algeria].—Reichensperger 1920, p. 62.—Stichel 1926, p. 116.—Scholte 1935, p. 92, fig. 26.—Gulde 1938, p. 317 [*Symphytum*].—Blöte 1945, p. 91 [Tunisia].—Cobben 1948, p. 82; 1958, p. 14, fig. 16.—Mancini 1949b, p. 37.—Kiritshenko 1951, p. 253.—Bator 1953, p. 327, pl. 4, fig. 3.—Gomez-Menor 1955b, p. 249 [Spain].—Štušák and Stys 1959, pp. 178–187, 191, figs. 1, 2, 7, 8, 13–18, 25–28, 30, 32, 33–35, 37–39.—Štušák 1961a, p. 86, figs. 2, 3, 5d, 12, 13, 19, 21.

Dictyla symphyti: Drake and Ruhoff 1960a, p. 51.—Stichel 1960a, p. 340, fig. 174 [Poland; Bulgaria].

Dictyla humuli: Drake and Ruhoff 1960b, pp. 70–72, pl. 20.

TYPE: Holotype ♀, brachypterous; Germany; Kiel Coll. (Copenhagen Mus.).

DISTRIBUTION: Netherlands; France; Spain; Germany; Switzerland; Czechoslovakia; Austria; Hungary; Italy; Sicily; Yugoslavia; Rumania; Bulgaria; Poland; U.S.S.R. (Caucasus; Siberia); Algeria; Tunisia.

HOST PLANTS: *Humulus* sp.; *Symphytum officinale*; *Symphytum* sp.

NOTE: Study of morphology and nymphs [Štušák and Stys]; eggs [Štušák].

***Dictyla imparis (Drake)**

Monanthia imparis Drake 1954b, p. 1 [Kenya].

Dictyla imparis: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♀; Ngong, Kenya; Hungarian Mus.

DISTRIBUTION: Kenya.

HOST PLANT: Unrecorded.

***Dictyla indigena** (Wollaston)

Tingis indigena Wollaston 1858, p. 124 [Madeira; *Echium candicans*].

Monanthia indigena: Stål 1874, p. 58.—Horváth 1906a, p. 102 [Canary Islands]; 1909a, p. 292.—Lindberg 1936b, p. 30; 1958a, p. 79 [Cape Verde Islands; *Echium stenosphon*; *Echium hypertropicum*].—China 1938, p. 21, fig. 4.—Gomez-Menor 1955b, p. 249.

Dictyla indigena: Drake and Ruhoff 1960a, p. 51.—Stichel 1960a, p. 336.

TYPE: Sex unknown; Feijã de Córte, Madeira; British Mus.

DISTRIBUTION: Madeira Islands; Cape Verde Islands; Canary Islands

HOST PLANTS: *Echium candicans*; *Echium hypertropicum*; *Echium stenosphon*

Dictyla indigena subsp. **bugioensis** (China)

Monanthia indigena subsp. *bugioensis* China 1938, p. 22, fig. 4 [Madeira].

Dictyla indigena subsp. *bugioensis*: Drake and Ruhoff 1960a, p. 51.

TYPE: Sex unknown; Southern Dezerta, Madeira; British Mus.

DISTRIBUTION: Madeira Islands.

HOST PLANT: Unrecorded.

***Dictyla laberculata** (Uhler)

Monanthia laberculata Uhler 1893b, p. 264 [Calif.; *Pinus monophylla*].—

Drake 1917c, pp. 49, 51, fig. 1a.—Hurd 1946, p. 451 [N. Mex.].

Monanthia labecula [sic]: Van Duzee 1916, p. 26; 1917a, p. 261.

Monanthia loberculata [sic]: Drake 1943a, p. 142 [Colo.; Ariz.].

Dictyla laberculata: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♂, macropterous; Argus Mountains, California, U.S.; USNM.

DISTRIBUTION: U.S. (Calif.; Ariz.; Colo.; N. Mex.); Canada (B.C.).

HOST PLANT: *Pinus monophylla*.

***Dictyla leporis** (Drake)

Monanthia leporis Drake 1937a, p. 385 [China].

Dictyla leporis: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♀; Kuling, Kiangsi Province, China; Vienna Mus.

DISTRIBUTION: China.

HOST PLANT: Unrecorded.

Dictyla leroyi (Schouteden)

Monanthia leroyi Schouteden 1953e, p. 197 [Congo; *Cordia chrysocarpa*].

Dictyla leroyi: Drake and Ruhoff 1960a, p. 51.

TYPE: Sex unknown; Kivu, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: *Cordia chrysocarpa*.

***Dictyla loricata** (Distant)

Monanthia loricata Distant 1888, p. lxxxiii [Brazil].—Berg 1892, p. 201

[Argentina], (reprint p. 101).—Champion 1898b, p. 64, pl. 3, fig.

11.—Pennington 1921, p. 20.—Drake 1922c, p. 354; 1943a, p. 142

[Bolivia; Paraguay]; 1947a, p. 1.—Monte 1937a, p. 33, fig. 12 [*Cordia*

corymbosa]; 1939b, p. 76 [Venezuela; *Cordia*]; 1940d, p. 101.—Drake and Hambleton 1938a, p. 45 [*Tournefortia*]; 1945b, p. 356 [Colombia].—Drake and Poor 1938b, p. 106.—Silva 1956, p. 43, fig. 15.

Dictyla loricata: Drake and Ruhoff 1960a, p. 51.

TYPE: Sex unknown; Entre Rios, Brazil; Brussels Mus.

DISTRIBUTION: Brazil; Colombia; Argentina; Venezuela; Bolivia; Paraguay; Ecuador.

HOST PLANTS: *Cordia corymbosa*; *Cordia* sp.; *Tournefortia* sp.

**Dictyla lupata* (Drake and Poor)

Monanthia lupata Drake and Poor 1936b, p. 142 [India].

Dictyla lupata: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♂, macropterous; Gujranwala, India; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

**Dictyla lupuli* (Herrich-Schaeffer)

Monanthia lupuli Herrich-Schaeffer 1837, p. 13, pl. 114, fig. 359; 1838, p. 58.—Scholz 1847, p. 120.—Mayr 1858, p. 571 [Austria].—Fieber 1861, p. 126.—Frey-Gessner 1865, p. 232 [Switzerland].—Stål 1874, p. 59.—Puton 1879c, p. 121 [France].—Jakovlev 1880b, p. 109 [Russia]; 1893, p. 294.—Reuter 1882b, pp. 120, 121 [Finland].—Hüeber 1893, p. 351.—Horváth 1906a, pp. 99, 102 [Italy; Bulgaria; Siberia].—Mužik 1907, p. 63.—Oshanin 1908, p. 453 [Spain; Rumania; Caucasus].—Stichel 1926, p. 116 [*Myosotis*]; 1938a, p. 408 [Poland].—Scholte 1935, p. 92 [Netherlands].—Blöte 1945, p. 91 [Yugoslavia].—Kiritschenko 1951, p. 253.—Bator 1953, p. 327, pl. 4, fig. 5.—Hoberlandt 1955, p. 94 [Turkey].

Monanthia (Physatocheila) lupuli: Fieber 1844, p. 85, pl. 7, figs. 19–21 [Czechoslovakia; Hungary; Germany].—Herrich-Schaeffer 1850, p. 153.—Flor 1860, p. 354 [Estonia; Latvia; Algeria; *Myosotis palustris*].

Dictyla lupuli: Drake and Ruhoff 1960a, p. 51.—Stichel 1960a, p. 341 [Sardinia].

TYPE: Unknown.

DISTRIBUTION: Netherlands; France; Spain; Germany; Switzerland; Czechoslovakia; Italy; Sardinia; Hungary; Austria; Bulgaria; Yugoslavia; Rumania; Turkey; Poland; Finland; U.S.S.R. (Estonia; Latvia; Siberia; Caucasus); Algeria.

HOST PLANTS: *Myosotis palustris*; *Myosotis* sp.

NOTE: Described by Herrich-Schaeffer but wrongly accredited by him to Kunze [Herrich-Schaeffer 1837, p. 13].

**Dictyla monotropidia* (Stål)

Monanthia (Physatocheila) monotropidia Stål 1858, p. 63 [Brazil].

Monanthia monotropidia: Stål 1873, p. 133 [Colombia].—Distant 1888,

p. lxxxiii.—Champion 1898a, p. 47, pl. 3, figs. 24, a, b [Guatemala; Panama]; 1898b, p. 64.—Van Duzee 1907, p. 23 [Jamaica].—Osborn and Drake 1915b, p. 536.—Drake 1922c, p. 354 [Cuba; Haiti; Mexico]; 1926a, p. 86 [*Cordia gerascanthus*]; 1926b, p. 375; 1928e, p. 1 [Honduras]; 1929, p. 35 [Costa Rica]; 1931b, p. 510; 1935, p. 9 [Paraguay]; 1943a, p. 142 [Bolivia; Venezuela]; 1947a, p. 1.—Wolcott 1923, p. 247 [Puerto Rico].—Fenton 1934, p. 199 [Argentina; cotton].—Costa Lima 1936, p. 129.—Bosq 1937, p. 130.—Drake and Poor 1937d, p. 301 [Peru; *Cordia*]; 1939b, p. 95.—Monte 1937a, p. 33; 1937c, pp. 71, 72 [*Cordia tomentosa*].—Drake and Hambleton 1938a, p. 44; 1945, p. 356 [El Salvador].—Barber 1939, p. 371.—Bruner, Scaramuzza and Otero 1945, p. 59.—Swezey 1945, p. 372.—Hurd 1946, p. 451 [Trinidad; *Cordia alliodora*].—Singh 1953, p. 118.—Gibson and Carrillo 1959, p. 19.

Dictyla monotropidia: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♀; Brazil; Stockholm Mus.

DISTRIBUTION: Brazil; Colombia; Peru; Bolivia; Paraguay; Venezuela; Argentina; Panama; El Salvador; Guatemala; Mexico; Honduras; Costa Rica; Haiti; Cuba; Jamaica; Puerto Rico; Trinidad.

HOST PLANTS: *Cordia alliodora*; *Cordia gerascanthus*; *Cordia tomentosa*; *Cordia* sp.; cotton.

NOTE: Intercepted on orchids from Mexico at port-of-entry, Texas [Swezey].

**Dictyla montandoni* (Horváth)

Monanthia montandoni Horváth 1885, p. 322 [Rumania]; 1906a, p. 99 [Russia].—Kiritshenko 1951, p. 253.—Putshkov 1960, p. 304 [*Tournefortia sibirica*].

Dictyla montandoni: Drake and Ruhoff 1960a, p. 51.—Stichel 1960a, p. 337.

TYPE: Holotype ♀; Canstantia, Rumania; Hungarian Mus.

DISTRIBUTION: Rumania; U.S.S.R.

HOST PLANT: *Tournefortia sibirica*.

NOTE: Life history study [Putshkov].

Dictyla montandoni var. *rivalis* (Horváth)

Monanthia montandoni var. *rivalis* Horváth 1905b, p. 570 [Russia]; 1906a, p. 99.

Dictyla montandoni var. *rivalis*: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♀; Sarepta, Russia; Hungarian Mus.

DISTRIBUTION: U.S.S.R.

HOST PLANT: Unrecorded.

**Dictyla nassata* (Puton)

Monanthia reticulata Rambur 1839, p. 166 [Spain].

Monanthia convergens (not Herrich-Schaeffer): Costa 1847b, p. 19; 1847d, p. 255.

Monanthia (*Physatocheila*) *reticulata*: Fieber 1844, p. 90.

Monanthia nassata Puton 1874b, p. 436 [Algeria; France; Corsica]; 1876, p. 279; 1879c, p. 122; 1886a, p. 5 [Tunisia].—Bolivar and Chicote 1879, p. 166 [Portugal].—Horváth 1906a, p. 101 [Eritrea; Turkey; Greece; Yugoslavia; Hungary; Italy; Egypt; Canary Islands]; 1906d, p. 2; 1909a, p. 292.—Stichel 1926, p. 115; 1938a, p. 408 [Albania].—de Scabra 1931, p. 436, figs. 506(1), 508.—Lindberg 1932a, p. 44; 1936b, p. 30; 1948, p. 60 [Cyprus; Sicily; *Echium sericeum*].—Mancini 1935, p. 10 [Giglio Islands].—Vidal 1937, p. 199 [Morocco].—Kiritschenko 1951, p. 253 [Russia].—Hoberlandt 1952, p. 112; 1955a, p. 94 [Israel; Caucasus].—Bator 1953, p. 327, pl. 2, fig. 8.—Priesner and Alfieri 1953, p. 65.—Štusač and Stys 1959, pp. 178–184, 186, 197, figs. 3–6, 9–12, 19–24, 29, 31, 40.

Dictyla nassata: Drake and Ruhoff 1960a, p. 51.—Stichel 1960a, p. 339 [Malta; Sardinia; Lybia; Turkestan; *Cynoglossum*; *Onosma*].

TYPE: Unknown.

DISTRIBUTION: Spain; Portugal; Corsica; Sardinia; France; Sicily; Malta; Italy; Hungary; Albania; Yugoslavia; Greece; Cyprus; Turkey; Israel; U.S.S.R. (Turkestan; Caucasus); Morocco; Algeria; Tunisia; Egypt; Lybia; Eritrea; Giglio Islands; Canary Islands.

HOST PLANTS: *Cynoglossum* sp.; *Echium sericeum*; *Halogeton sativus*; *Echium plantagineum*; *Onosma* sp.

NOTE: Study of immature forms [Štusač and Stys].

**Dictyla nodipennis* (Horváth)

Monanthia nodipennis Horváth 1910, p. 68 [Tanganyika].—Drake 1956a, p. 4 [Congo; Kenya; Uganda].

Monanthia zavattarii Mancini 1953a, p. 185, fig. 2 [Ethiopia].

Dictyla nodipennis: Drake and Ruhoff 1960a, p. 51; 1961c, p. 145.

Dictyla zavattarii: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♀; Kibongoto, Kilimandjaro; Stockholm Mus.

DISTRIBUTION: Tanganyika; Kenya; Uganda; Congo; Ethiopia.

HOST PLANT: Unrecorded.

†*Dictyla novaki* Drake and Ruhoff

Monanthia flexuosa Novák 1877a, p. 79, pl. 2, figs. 8–11 [Bohemia]; 1877b, p. 9, pl. 2, figs. 8–11.—Scudder 1890, p. 357 [Horizon: Aquitanian]; 1891a, p. 421.

Dictyla flexuosa: Drake and Ruhoff 1960a, pp. 11, 51.

Dictyla novaki Drake and Ruhoff 1962a, p. 156.

TYPE: Sex undeterminable; fossil; Krottensee, Bohemia; Tertiary; Prague Mus.

DISTRIBUTION: Fossil.

**Dictyla parilis* (Drake)

Monanthia parilis Drake 1936b, p. 700 [Argentina].—Drake and Poor 1939b, p. 95.

Monanthia paritis [sic]: Drake 1943a, p. 142 [Paraguay; Brazil].

Dictyla parilis: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♀, macropterous; Loreto, Argentina; Leningrad Inst.

DISTRIBUTION: Argentina; Paraguay; Brazil.

HOST PLANT: Unrecorded.

**Dictyla parmata* (Distant)

Monanthia parmata Distant 1888, p. lxxxiii [Brazil].—Champion 1898b, p. 64, pl. 3, fig. 12.—Drake 1922c, p. 355; 1930a, p. 1; 1931b, p. 510 [Argentina]; 1935, p. 9 [Paraguay]; 1943a, p. 142 [Peru].—Drake and Hambleton 1934, p. 437 [*Cordia corymbosa*].—Costa Lima 1936, p. 130.—Monte 1937a, p. 33 [*Cordia*; *Cordia verbenacea*]; 1938d, p. 387; 1940d, p. 101 [Venezuela]; 1941e, p. 125 [*Cochranea auchusaefolia*].—Silva 1956, p. 43, fig. 16 [*Cordia curassavica*].

Dictyla parmata: Drake and Ruhoff 1960a, p. 51.—Drake and Cobben 1960, p. 69, figs. 74b, 75b, 76b [Aruba; Curaçao; Bonaire; *Cordia cylindristachya*].

TYPE: Sex unknown; Botafogo, Brazil; Brussels Mus.

DISTRIBUTION: Brazil; Argentina; Paraguay; Peru; Venezuela; Bolivia; Netherlands Antilles (Aruba; Bonaire; Curaçao).

HOST PLANTS: *Cochranea auchusaefolia*; *Cordia corymbosa*; *Cordia curassavica*; *Cordia verbenacea*; *Cordia cylindristachya*; *Cordia* sp.

**Dictyla patquiana* (Drake)

Monanthia patquiana Drake 1955a, p. 79 [Argentina].

Dictyla patquiana: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♂; Patquia, Argentina; British Mus.

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

**Dictyla picturata* (Distant)

PLATE 34

Monanthia picturata Distant 1902a, p. 243, pl. 15, fig. 11 [Cape Province].—Drake 1961c, p. 129, pl. 7.

Dictyla picturata: Drake and Ruhoff 1960a, p. 51.

TYPE: Sex unknown; Cape Colony, South Africa; So. Afr. Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

***Dictyla platyoma** (Fieber)

Monanthia platyoma Fieber 1861, p. 125 [Czechoslovakia; Austria; *Myosotis palustris*; *Symphytum*].—Jakovlev 1869, p. 111 [Russia]; 1871, p. 24; 1880b, p. 108 [Caucasus]; 1893, p. 294.—Horváth 1874b, p. 432 [Hungary]; 1906a, p. 100 [Turkey; Siberia; Turkestan; Greece; Rumania; *Echinosperrnum lappula*].—Reuter 1890a, p. 250; 1891b, p. 184; 1902, p. 151.—Hüeber 1893, p. 349 [Germany].—Lethierry and Severin 1896, p. 24 [Turkomania].—Mužik 1907, p. 63.—Stichel 1926, p. 115.—Lindberg 1934, p. 29 [China].—Gulde 1938, p. 314 [*Myosotis*].—Kiritshenko 1951, p. 253.—Hoberlandt 1952, p. 112 [Cyprus]; 1955, p. 94.

Dictyla platyomia [sic]: Stål 1874, p. 57.

Dictyla platyoma: Drake and Ruhoff 1960a, p. 51, pl. 5.—Stichel 1960a, p. 338 [Bulgaria].

TYPE: Unknown.

DISTRIBUTION: Germany; Austria; Czechoslovakia; Hungary; Rumania; Bulgaria; Greece; Turkey; Cyprus; U.S.S.R. (Turkestan; Tukmen; Siberia; Caucasus); China.

HOST PLANTS: *Echinosperrnum lappula*; *Myosotis palustris*; *Myosotis* sp.; *Symphytum* sp.

***Dictyla pongana** (Drake)

Monanthia pongana Drake 1953d, p. 211 [South-West Africa].

Dictyla pongana: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♂; Okahandja, South-West Africa; British Mus.

DISTRIBUTION: South-West Africa.

HOST PLANT: Unrecorded.

***Dictyla pucallpana** (Drake and Hambleton)

Monanthia pucallpana Drake and Hambleton 1945, p. 356 [Peru].

Dictyla pucallpana: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♂, macropterous; Pucallpa, Peru; Drake Coll. (USNM).

DISTRIBUTION: Peru.

HOST PLANT: Unrecorded.

***Dictyla putoni** (Montandon)

Monanthia putoni Montandon 1895, p. 161 [Rumania; *Echium*].—Horváth 1906a, p. 101 [Hungary; Russia; Turkey].—Stichel 1938a, p. 408 [Albania; Bulgaria].—Kiritshenko 1951, p. 253.—Scidenstücker 1954, p. 236.—Hoberlandt 1955, p. 94 [Caucasus].—Štušák and Stys 1959, p. 185.

Dictyla putoni: Drake and Ruhoff 1960a, p. 51.—Stichel 1960a, p. 339 [France; Egypt].

TYPE: Zorleni, Moldavia, Rumania; sex and deposition of type unknown.

DISTRIBUTION: France; Hungary; Rumania; Bulgaria; Turkey; Albania; U.S.S.R. (Caucasus); Egypt.

HOST PLANT: *Echium* sp.

**Dictyla putoni* var. *pulla* (Horváth)

Monanthia putoni var. *pulla* Horváth 1905b, p. 572 [Hungary]; 1906a, p. 101 [Rumania; Greece; Sardinia; Tunisia].—Novak and Wagner 1951, p. 71 [*Echium altissimum*; *Cynoglossum creticum*; *Onosma visianii*].—Priesner and Alfieri 1953, p. 65 [Egypt].

Dictyla putoni var. *pulla*: Drake and Ruhoff 1960a, p. 51.

TYPE: Sex unknown; Hungary; Hungarian Mus.

DISTRIBUTION: Hungary; Rumania; Yugoslavia; Greece; Sardinia; Egypt; Tunisia.

HOST PLANTS: *Cynoglossum creticum*; *Echium altissimum*; *Onosma visianii*.

**Dictyla rasilis* (Drake and Maa)

Monanthia rasilis Drake and Maa 1955, p. 3 [Taiwan; *Solanum verbascifolium*].

Dictyla rasilis: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♂, macropterous; Koshun, Formosa; Drake Coll. (USNM).

DISTRIBUTION: Taiwan.

HOST PLANT: *Solanum verbascifolium*.

Dictyla ruandae (Schouteden)

Monanthia ruandae Schouteden 1953e, p. 199 [Ruanda].

Dictyla ruandae: Drake and Ruhoff 1960a, p. 51.

TYPE: Sex unknown; Bugarama, Ruanda; Cent. Afr. Mus.

DISTRIBUTION: Ruanda-Urundi.

HOST PLANT: Unrecorded.

**Dictyla ruficeps* (Horváth)

Monanthia ruficeps Horváth 1905b, p. 571 [Tunisia]; 1906a, p. 99.

Dictyla ruficeps: Drake and Ruhoff 1960a, p. 51.—Stichel 1960a, p. 337.

TYPE: Holotype ♀; Cherichera, Tunisia; Hungarian Mus.

DISTRIBUTION: Tunisia.

HOST PLANT: Unrecorded.

**Dictyla sahlbergi* (Horváth)

Monanthia sahlbergi Horváth 1906a, p. 100 [Turkestan].

Dictyla sahlbergi: Drake and Ruhoff 1960a, p. 51.

TYPE: Sex unknown; Bekljar-bek, Turkestan, Russia; Hungarian Mus.

DISTRIBUTION: U.S.S.R. (Turkestan).

HOST PLANT: Unrecorded.

**Dictyla salicorum* (Baba)

Stephanitis salicorum Baba 1925, p. 3.

Monanthia salicorum: Takeya 1930a, pp. 67–72, 1 pl. (8 figs.) [Japan; *Salix pupurea*]; 1951a, p. 22.—Maa 1957, p. 132.

Dictyla salicorum: Drake and Ruhoff 1960a, p. 51.

TYPE: Sex unknown; Shenano Province, Honshu, Japan; Nagano Agricultural Experiment Station, Japan.

DISTRIBUTION: Japan.

HOST PLANT: *Salix purpurea*.

NOTE: Redescription of type specimen [Takeya 1930].

**Dictyla sauteri* (Drake)

Monanthia sauteri Drake 1923a, p. 103 [Taiwan]; 1927a, p. 53 [Philippines].—Esaki 1926, p. 163.—Drake and Poor 1937b, p. 397 [Luzon; *Cordia myxa*].—Takeya 1951a, p. 22.

Dictyla sauteri: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♀; Kankau, Formosa; Horn Coll.

DISTRIBUTION: Taiwan; Philippine Islands (Luzon).

HOST PLANT: *Cordia myxa*.

**Dictyla seorsa* (Drake and Poor)

Monanthia seorsa Drake and Poor 1937b, p. 398 [Taiwan].—Drake 1938b, p. 195 [China].—Takeya 1951a, p. 23.—Maa 1957, pp. 124, 132 [India].

Dictyla seorsa: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♂, macropterous; Formosa; Drake Coll. (USNM).

DISTRIBUTION: Taiwan; China; India.

HOST PLANT: Unrecorded.

**Dictyla seorsa* var. *inflata* (Drake and Poor)

Monanthia seorsa var. *inflata* Drake and Poor 1937b, p. 398 [Luzon].

Dictyla seorsa var. *inflata*: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♀, macropterous; Los Banos, Luzon, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Luzon).

HOST PLANT: Unrecorded.

**Dictyla sessoris* (Drake and Poor)

Monanthia sessoris Drake and Poor 1937b, p. 398 [Luzon].

Dictyla sessoris: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♀, macropterous; Mt. Makiling, Luzon, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Luzon; Mindanao).

HOST PLANT: Unrecorded.

**Dictyla sjostedti* (Horváth)

Monanthia sjostedti Horváth 1910, p. 69 [Tanganyika].—Drake 1956a, p. 3 [Congo; Kenya; Uganda]; 1956f, p. 422 [Rhodesia; *Hoslundia*].

Dictyla sjostedti: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♀; Kibongoto, Kilimandjaro; Stockholm Mus.

DISTRIBUTION: Tanganyika; Congo; Uganda; Kenya; Southern Rhodesia.

HOST PLANT: *Hoslundia* sp.

***Dictyla subdola** (Horváth)

Monanthia subdola Horváth 1905b, p. 571 [Armenia]; 1906a, p. 100 [Turkestan].—Oshanin 1908, p. 451 [Transcaucasus].

Dictyla subdola: Drake and Ruhoff 1960a, p. 51.—Stichel 1960a, p. 338.

TYPE: Holotype ♀; Vallis Araxis, Armenia; Hungarian Mus.

DISTRIBUTION: U.S.S.R. (Armenia; Turkestan; Transcaucasus).

HOST PLANT: Unrecorded.

***Dictyla triconula** (Seidenstücker)

Monanthia triconula Seidenstücker 1954, pp. 230, 233, 236, figs. 1b, 2 [Turkey; *Cynoglossum officinale*].—Hoberlandt 1955, p. 95 [*Cynoglossum*].

Dictyla triconula: Drake and Ruhoff 1960a, p. 51.—Stichel 1960a, p. 342, fig. 180.

TYPE: Holotype ♂; Namrun, Turkey; Seidenstücker Coll.

DISTRIBUTION: Turkey.

HOST PLANTS: *Cynoglossum officinale*; *Cynoglossum* sp.

***Dictyla tuberosa** (Horváth)

Monanthia tuberosa Horváth 1929, p. 324 [Natal].

Dictyla tuberosa: Drake and Ruhoff 1960a, p. 51.

TYPE: Sex unknown; Weenen, Natal, South Africa; British Mus.

DISTRIBUTION: South Africa (Natal).

HOST PLANT: Unrecorded.

***Dictyla uichancoi** (Drake and Poor)

Monanthia uichancoi Drake and Poor 1937b, p. 399 [Luzon].

Dictyla uichancoi: Drake and Ruhoff 1960a, p. 51.

TYPE: Holotype ♂, macropterous; Calamba, Luzon, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Luzon); Taiwan.

HOST PLANT: Unrecorded.

†Dictyla veterna (Scudder)

PLATE 35

Monanthia veterna Scudder 1890, p. 359, pl. 23, figs. 5, 9 [Colo.]; 1891, p. 422 [Horizon: Oliogocene].

Dictyla veterna: Drake and Ruhoff 1960a, pp. 11, 51.

TYPE: Sex undeterminable; fossil; Florissant, Colorado, U.S.; MCZ.

DISTRIBUTION: Fossil.

***Dictyla vulcanorum** (Schouteden)

Monanthia vulcanorum Schouteden 1953e, p. 200 [Ruanda]; 1957c, p. 318.—Drake 1958b, p. 26 [Kenya].

Dictyla vulcanorum: Drake and Ruhoff 1960a, p. 51.

TYPE: Sex unknown; Ruanda; Cent. Afr. Mus.

DISTRIBUTION: Ruanda-Urundi; Kenya.

HOST PLANT: Unrecorded.

Genus DICYSTA Champion

Dicysta Champion 1897a, p. 5.—Drake 1922a, pp. 269–273 (key).—Monte 1939b, p. 68; 1941e, p. 92.—Hurd 1946, p. 477.—Drake and Ruhoff 1960a, p. 53.

TYPE SPECIES: *Dicysta vitrea* Champion.

****Dicysta amica* Drake and Hambleton**

Dicysta amica Drake and Hambleton 1939, p. 162 [Brazil].—Monte 1941e, p. 92 [Bignoniaceae].

TYPE: Holotype ♀, macropterous; Belo Horizonte, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Bignoniaceae.

****Dicysta braziliensis* Drake**

Dicysta braziliensis Drake 1922a, p. 272 [Brazil]; 1931b, p. 512 [Peru].

TYPE: Holotype ♂; Santarem, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil; Peru.

HOST PLANT: Unrecorded.

****Dicysta cara* Drake**

Dicysta cara Drake 1939a, p. 87 [Queensland].

TYPE: Holotype ♀, macropterous; Maleny, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

****Dicysta fonsecai* Monte**

Dicysta fonsecai Monte 1940e, p. 299 [Brazil].

TYPE: Holotype ♂; Guarujá, Santos, São Paulo, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

****Dicysta hollandi* Drake**

Dicysta hollandi Drake 1922a, p. 271, fig. 1 [Brazil].—Drake and Hambleton 1945, p. 365 [Peru].

TYPE: Holotype ♀, macropterous; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil; Peru.

HOST PLANT: Unrecorded.

****Dicysta lauta* Drake and Hambleton**

Dicysta lauta Drake and Hambleton 1935, p. 152, fig. 6 [Brazil; *Adenocalymna*].

TYPE: Holotype ♂, macropterous; Ponte Nova, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Adenocalymna* sp.

****Dicysta limata* Drake and Hambleton**

Dicysta limata Drake and Hambleton 1939, p. 162 [Brazil].

TYPE: Holotype ♂, macropterous; Belém, Pará, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

****Dicysta parilis* Drake**

Dicysta parilis Drake 1939, p. 88 [Queensland].

TYPE: Holotype ♀, macropterous; Mackay, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

****Dicysta peruviana* Drake and Poor**

Dicysta peruviana Drake and Poor 1940, p. 231 [Peru].

TYPE: Holotype ♀, macropterous; Lima, Peru; Drake Coll. (USNM).

DISTRIBUTION: Peru.

HOST PLANT: Unrecorded.

****Dicysta sagillata* Drake**

Dicysta sagillata Drake 1922c, p. 376 [Panama].—Monte 1939b, p. 68 [Brazil; Bignoniaceae].

TYPE: Holotype ♀, macropterous; Porto Bello, Panama; USNM.

DISTRIBUTION: Panama; Brazil.

HOST PLANT: Bignoniaceae.

****Dicysta smithi* Drake**

Dicysta smithi Drake 1922a, p. 273 [Brazil].—Drake and Hambleton 1938b, p. 57.—Monte 1940c, p. 193 [*Adenocalymna*].

TYPE: Holotype ♀, macropterous; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil.

HOST PLANT: *Adenocalymna* sp.

****Dicysta vitrea* Champion**

Dicysta vitrea Champion 1897, p. 5, pl. 1, figs. 4, 4a [Panama].—Drake 1922a, p. 270 [Brazil]; 1935, p. 20 [Paraguay].—Drake and Bondar 1932, p. 93 [*Mansoa glaziovii*].—Drake and Hambleton 1935, p. 152 [*Adenocalymna*]; 1945, p. 365 [Peru].—Costa Lima 1936, p. 126.—Monte 1937a, p. 34 [*Petastoma formosum*; *Petastoma samydoides*]; 1937c, p. 71.—Singh 1953, p. 118.—Kormilev 1955a, p. 67.—Silva 1956, p. 27.

TYPE: Holotype ♂; Volcan de Chiriqui, Panama; British Mus.

DISTRIBUTION: Panama; Brazil; Peru; Paraguay.

HOST PLANTS: *Adenocalymna* sp.; *Mansoa glaziovii*; *Petastoma formosum*; *Petastoma samydoides*.

Genus DIPLOCYSTA Horváth

Diplocysta Horváth 1925a, p. 11.—Drake and Ruhoff 1960a, p. 53.

TYPE SPECIES: *Diplocysta bilobata* Horváth.

****Diplocysta bilobata* Horváth**

Diplocysta bilobata Horváth 1925a, p. 12, fig. 7 [Australia].—Hacker 1928, p. 179.

TYPE: Sex unknown; Geraldton, Australia; Stockholm Mus.

DISTRIBUTION: Australia (Western Australia).

HOST PLANT: Unrecorded.

****Diplocysta globuliformis* Hacker**

Diplocysta globuliformis Hacker 1928, p. 179, pl. 22, figs. 9, 10 [Thursday Island; Queensland].

TYPE: Sex unknown; Thursday Island; Queensland Mus.

DISTRIBUTION: Thursday Island; Magnetic Island; Australia (Queensland).

HOST PLANT: Unrecorded.

***Diplocysta papuana* Drake**

Diplocysta papuana Drake 1960, p. 379 [New Guinea].

TYPE: Holotype ♂; Bisianumu, E. of Port Moresby, New Guinea (Papua); Bishop Mus.

DISTRIBUTION: New Guinea (Papua).

HOST PLANT: Unrecorded.

****Diplocysta rustica* Drake**

Diplocysta rustica Drake 1960, p. 380 [New Guinea].

TYPE: Holotype ♂, macropterous; Eubenangee, New Guinea; Drake Coll. (USNM).

DISTRIBUTION: New Guinea.

HOST PLANT: Unrecorded.

****Diplocysta trilobata* Drake and Poor**

PLATE 28

Diplocysta trilobata Drake and Poor 1939c, p. 205 [Australia].—Drake and Davis 1960, figs. 43, 44.—Drake 1961b, p. 108 [Tasmania, South Australia].—Drake and Ruhoff 1962b, p. 250.

TYPE: Holotype ♀, brachypterous; Kiata, Victoria, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Victoria; South Australia; Tasmania).

HOST PLANT: Unrecorded.

Genus DULINIUS Distant

Dulinius Distant 1903a, p. 48; 1903b, p. 133.—Drake 1953b, p. 95.—Drake and Ruhoff 1960a, p. 54.

Sankisia Schouteden 1916b, p. 293.—Drake and Ruhoff 1960a, p. 81.

TYPE SPECIES: *Dulinius conchatus* Distant.

****Dulinius bellus* Drake**

Dulinius [sic] *bellus* Drake 1948g, p. 175 [Mozambique].

TYPE: Holotype ♀, macropterous; Delagga Bay, Mozambique; Drake Coll. (USNM).

DISTRIBUTION: Mozambique.

HOST PLANT: Unrecorded.

***Dulinius burgeoni* Schouteden**

Dulinius burgeoni Schouteden 1953d, p. 170 [Congo].

TYPE: Sex unknown; Albertville, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

****Dulinius conchatus* Distant**

Dulinius conchatus Distant 1903a, p. 48 [Ceylon]; 1903b, p. 133, fig. 96; 1910a, p. 110 [India; *Morinda*].—Drake and Poor 1937a, p. 18 [Java; Negros; Luzon].—Drake 1937a, p. 387 [Malaya].—Maa 1957, pp. 130, 132 [China].

TYPE: Sex unknown; Batticaloa, Ceylon; British Mus.

DISTRIBUTION: Ceylon; India; China; Federation of Malaya; Greater Sunda Islands (Java); Philippine Islands (Luzon; Negros).

HOST PLANT: *Morinda* sp.

****Dulinius congruus* Drake**

Dulinius congruus Drake 1953b, p. 96 [Cape Province].

TYPE: Holotype ♀, macropterous; Grahamstown, South Africa; Drake Coll. (USNM).

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

****Dulinius kraussi* Drake**

Dulinius kraussi Drake 1953b, p. 95 (nom. nud.); 1954c, p. 72 [Kenya].

TYPE: Holotype ♂, macropterous; Diani Beach, Kenya; Drake Coll. (USNM).

DISTRIBUTION: Kenya.

HOST PLANT: Unrecorded.

****Dulinius pulchrus* (Schouteden)**

Sankisia pulchra Schouteden 1916b, p. 294 [Congo].

Dulinius pulchrus: Drake 1953b, p. 95.

TYPE: Sex unknown; Sankisia, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo; Southern Rhodesia.

HOST PLANT: Unrecorded.

***Dulinius unicolor* (Signoret)**

Tingis unicolor Signoret 1861, p. 956 [Malagasy].—Stål 1873, p. 134.

Dulinius nigrolineatus Distant 1913, p. 158, pl. 11, fig. 16 [Seychelles].

Galeatus involutus Drake 1925b, p. 108.

Dulinius unicolor: Drake and Ruhoff 1960c, p. 32, figs. 2, 3; 1960e, p. 80.—Carayon 1960, p. 110.

TYPE: Sex unknown; Madagascar; Vienna Mus.

DISTRIBUTION: Malagasy Republic; Seychelles; Uganda.

HOST PLANT: Taken on "musenosa."

NOTE: Predators [Carayon].

Genus *DYSPHARSA* Drake and Hambleton

Dyspharsa Drake and Hambleton 1944b, p. 127.—Hurd 1946a, p. 466.—
Drake and Ruhoff 1960a, p. 54.

TYPE SPECIES: *Leptopharsa myersi* Drake.

**Dyspharsa myersi* (Drake)

Leptopharsa myersi Drake 1926a, p. 87 [Trinidad].

Dyspharsa myersi: Drake and Hambleton 1944b, p. 128.—Hurd 1946,
p. 467 [Cuba].

TYPE: Holotype ♀, macropterous; Mina Carlotta, Trinidad; Drake Coll.
(USNM).

DISTRIBUTION: Trinidad; Cuba.

HOST PLANT: Unrecorded.

Genus *ELASMOGNATHUS* Fieber

Elasmognathus Fieber 1844, p. 90.—Stål 1873, pp. 121, 129.—Lethierry
and Severin 1896, p. 22.—Distant 1903b, p. 141.—Drake and Poor
1937a, p. 10.—Drake and Ruhoff 1960a, p. 54.

TYPE SPECIES: *Elasmognathus helferi* Fieber.

Elasmognathus fieberi Stål

Elasmognathus fieberi Stål 1855a, p. 38 [Natal]; 1873, p. 129.—Distant
1902a, p. 242, pl. 15, fig. 7.

Monanthia (Elasmognathus) fieberi: Stål 1865, p. 29.

Monanthia fieberi: Walker 1873a, p. 195.

TYPE: Holotype ♂; Natal, South Africa; Stockholm Mus.

DISTRIBUTION: South Africa (Natal).

HOST PLANT: Unrecorded.

**Elasmognathus helferi* Fieber

Elasmognathus helferi Fieber 1844, p. 91, pl. 7, figs. 33–41 [Ostindien].—
Herrich-Schaeffer 1850, p. 156.—Stål 1873, p. 129 [India orientalis].—
Distant 1903b, p. 142.—Drake and Davis 1960, figs. 55, 56.

Monanthia helferi: Walker 1873a, p. 195.

Elasmognathus helferi [sic]: Drake 1927d, p. 309 [Luzon].

TYPE: "Ostindien"; sex and deposition of type unknown.

DISTRIBUTION: India; Philippine Islands (Luzon).

HOST PLANT: Unrecorded.

Genus ELASMOTROPIS Stål

Elasmotropis Stål 1874, p. 54.—Horváth 1906a, pp. 14, 56 (key).—Mužik 1907, pp. 50, 57.—Oshanin 1908, p. 426; 1912, p. 44.—Stichel 1926, pp. 104, 110 (key); 1935, p. 349; 1938a, p. 406; 1960a, p. 304; 1960b, p. 395; 1960c, p. 134.—Kiritshenko 1951, pp. 242, 248 (key).—Drake and Ruhoff 1960a, p. 55.

Phyllontocheila [sic] (*Elasmotropis*): Lethierry and Severin 1896, p. 16.

TYPE SPECIES: *Monanthia* (*Phyllontocheila*) *echinopsis* Fieber = *Tingis testacea* Herrich-Schaeffer.

***Elasmotropis abimva* (Schouteden)**

Elasmognathus abimva Schouteden 1953d, p. 169 [Congo].

TYPE: Sex unknown; Abimva, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

NOTE: From the description, the species seems to belong to *Elasmotropis* rather than *Elasmognathus* and is here so transferred.

***Elasmotropis burgeoni* (Schouteden)**

Elasmognathus burgeoni Schouteden 1953d, p. 167 [Congo].

TYPE: Sex unknown; Yebo Moto, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

NOTE: From the description, the species seems to belong to *Elasmotropis* rather than *Elasmognathus* and is here so transferred.

***Elasmotropis distans* (Jakovlev)**

Monanthia (*Platychila*) *distans* Jakovlev 1903a, p. 2 [Mongolia].

Elasmotropis distans: Horváth 1906a, p. 59.—Wu 1935, p. 449.

TYPE: Holotype ♀, macropterous; Khangai, Mongolia; Leningrad Inst.

DISTRIBUTION: Mongolia Republic.

HOST PLANT: Unrecorded.

***Elasmotropis motoensis* (Schouteden)**

Elasmognathus motoensis Schouteden 1953d, p. 168 [Congo].

TYPE: Sex unknown; Yebo Moto, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

NOTE: From the description, the species seems to belong to *Elasmotropis* rather than *Elasmognathus* and is here so transferred.

****Elasmotropis selecta* (Horváth)**

Phyllontocheila testacea var. *selecta* Horváth 1891, p. 79.

Elasmotropis selecta: Horváth 1906a, p. 58 [Russia; Armenia].—Oshanin

1908, p. 426 [Transcaucasus].—Kiritshenko 1951, p. 248.—Stichel

1960a, p. 304.

TYPE: Unknown.

DISTRIBUTION: U.S.S.R. (Armenia; Transcaucasus).

HOST PLANT: Unrecorded.

**Elasmotropis testacea* (Herrich-Schaeffer)

Tingis testacea Herrich-Schaeffer 1830, heft 118, tab. 23 [Germany]; 1835, p. 58.

Monanthia testacea: Herrich-Schaeffer 1838, pp. 52, 60, pl. 125, figs. h,i. [Czechoslovakia].—Puton 1879c, p. 111 [France, Algeria].—Hüeber 1893, p. 333.

Monanthia (Phyllontocheila) echinopsis Fieber 1844, p. 62, pl. 5, figs. 19–22 [*Echinops sphaerocephala*].

Monanthia (Phyllontocheila) testacea: Herrich-Schaeffer 1850, p. 155.

Monanthia echinopsis: Mayr 1858, p. 570 [Austria].

Monanthia echinopsidis [sic]: Fieber 1861, p. 122.—Horváth 1874b, p. 432 [Hungary].—Jakovlev 1876b, p. 67 [Russia]; 1880b, p. 104 [Caucasus].

Elasmotropis echinopsidis: Stål 1874, p. 54.

Phyllontochila testacea: Reuter 1891a, p. 26 [Greece].—Lethierry and Severin 1896, p. 17 [Armenia].

Elasmotropis testacea: Horváth 1906a, p. 58.—Stichel 1926, p. 110; 1960a, p. 304, fig. 108a [Yugoslavia].—Vidal 1937, p. 197 [Morocco].—Gulde 1938, p. 282, fig.—Lindberg 1948, p. 58 [Cyprus; *Pistacia*; *Ceratonia siliqua*].—Hoberlandt 1951, p. 22 [Poland; Bulgaria; Syria; Egypt; Tunisia; Israel].—Priesner and Alfieri 1953, p. 64 [*Echinops*].—Štušák 1961a, p. 82, figs. 5f, 8; pl. 1, fig. B.

TYPE: Sex unknown; Regensburg, Germany; Munich Mus.

DISTRIBUTION: France; Germany; Czechoslovakia; Austria; Poland; Hungary; Bulgaria; Yugoslavia; Greece; Cyprus; Syria; Israel; U.S.S.R. (Armenia; Caucasus); Egypt; Algeria; Morocco; Tunisia.

HOST PLANTS: *Ceratonia siliqua*; *Echinops sphaerocephala*; *Echinops* sp.; *Pistacia* sp.

NOTE: Eggs (Štušák).

**Elasmotropis testacea* var. *egena* (Puton)

Monanthia testacea var. *egena* Puton 1879c, p. 111 [Algeria].

Elasmotropis testacea var. *egena*: Horváth 1906a, p. 58 [Tunisia].—Lindberg 1932a, p. 41 [Morocco].—Vidal 1937, p. 197.—Blöte 1945, p. 86.—Priesner and Alfieri 1953, p. 64.

TYPE: Sex unknown; Oran, Algeria; Paris Mus.

DISTRIBUTION: Algeria; Tunisia; Morocco; Egypt.

HOST PLANT: Unrecorded.

**Elasmotropis testacea* var. *platydera* Horváth

Elasmotropis testacea var. *platydera* Horváth 1906a, p. 58 [Hungary; Bulgaria].—Stichel 1926, p. 110; 1960a, p. 305 [*Echinops*].

TYPE: Unknown.

DISTRIBUTION: Hungary; Bulgaria.

HOST PLANT: *Echinops* sp.

***Elasmotropis testacea** var. **vicina** Horváth

Elasmotropis testacea var. *vicina* Horváth 1906a, p. 58 [Russia; Syria; Egypt].—Stichel 1926, p. 110; 1960a, p. 305 [*Pistacia*; *Ceratonia*; *Cupressus*].—Vidal 1937, p. 197 [Morocco].—Lindberg 1948, p. 58 [Cyprus; Caucasus].—Priesner and Alfieri 1953, p. 64.—Seidenstücker 1954, p. 235 [Turkey].—Hoberlandt 1955, p. 88.

TYPE: Unknown.

DISTRIBUTION: Syria; Cyprus; Turkey; U.S.S.R. (Caucasus); Egypt; Morocco.

HOST PLANTS: *Ceratonia* sp.; *Cupressus* sp.; *Pistacia* sp.

Genus ENGYNOMA Drake

Engynoma Drake 1942b, p. 362.—Drake and Ruhoff 1960a, p. 55.

TYPE SPECIES: *Perissonemia tasmaniae* Drake and Poor.

***Engynoma angulata** (Hacker)

Tingis (Tingis) angulata Hacker 1929, p. 329, pl. 34, fig. 9 [Queensland].
Engynoma angulata: Drake 1942b, p. 362.

TYPE: Sex unknown; Upper Brookfield, Queensland, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Engynoma deaba** Drake

Engynoma deaba Drake 1942b, p. 363 [Queensland].

TYPE: Holotype ♀, macropterous; National Park, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Engynoma immaculata** Drake

Engynoma immaculata Drake 1942b, p. 362 [Queensland].

TYPE: Holotype ♂, macropterous; Cedar Creek, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

Engynoma isolata Drake and Ruhoff

Tingis insularis Hacker 1929, p. 330, pl. 34, fig. 10 [Queensland].

Engynoma insularis: Drake 1942b, p. 362.

Engynoma isolata Drake and Ruhoff 1962c, p. 134.

TYPE: Sex unknown; Dunk Island, North Queensland, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Engynoma spinicollis** (Horváth)

Tingis (*Tingis*) *spinicollis* Horváth 1925a, p. 6, fig. 3 [Queensland].

Tingis spinicollis: Hacker 1928, p. 183.

Engynoma spinicollis: Drake 1942b, p. 362.

TYPE: Sex unknown; Malanda, Queensland, Australia; Stockholm Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Engynoma tasmaniae** (Drake and Poor)

Perissonemia tasmaniae Drake and Poor 1937b, p. 402 [Tasmania].

Engynoma tasmaniae: Drake 1942b, p. 362.

TYPE: Holotype ♂, macropterous; Launceston, Tasmania, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Tasmania).

HOST PLANT: Unrecorded.

Genus ENGYOTINGIS Drake and Ruhoff

Engyotingis Drake and Ruhoff 1961b, p. 175.

TYPE SPECIES: *Engyotingis cybele* Drake and Ruhoff.

***Engyotingis cybele** Drake and Ruhoff

Engyotingis cybele Drake and Ruhoff 1961b, p. 176 [Basilan].

TYPE: Holotype ♂, macropterous; Basilan Island; Drake Coll. (USNM).

DISTRIBUTION: Basilan Islands (Basilan).

HOST PLANT: Unrecorded.

***Engyotingis tonkinana** (Drake and Maa)

Ypsotingis tonkinana Drake and Maa 1955, p. 7 [Viet-Nam].—Drake 1958d, p. 153.

Engyotingis tonkinana: Drake and Ruhoff 1961b, p. 177.

TYPE: Holotype ♂, macropterous; Tonkin, Hoa-Binh, Indochina; Drake Coll. (USNM).

DISTRIBUTION: Viet-Nam.

HOST PLANT: Unrecorded.

Genus EOTINGIS Scudder

Eotingis Scudder 1890, p. 359.—Hurd 1946, p. 455.—Drake and Ruhoff 1960a, pp. 10, 55.

TYPE SPECIES: *Eotingis antennata* Scudder.

†Eotingis antennata Scudder

Eotingis antennata Scudder 1890, p. 360, pl. 23, figs. 1, 3 [Colo.]; 1891, p. 406 [Horizon: Oligocene].—Drake and Ruhoff 1960a, pp. 10, 11.

TYPE: Sex undeterminable; fossil; Florissant, Colorado, U.S.; MCZ.

DISTRIBUTION: Fossil.

Genus EPIMIXIA Kirkaldy

Epimixia Kirkaldy 1908a, p. 779.—Horváth 1925a, p. 15.—Drake and Ruhoff 1960a, p. 55; 1961a, pp. 1–6 (key).

TYPE SPECIES: *Epimixia alitophrosyne* Kirkaldy.

**Epimixia alitophrosyne* Kirkaldy

Epimixia alitophrosyne Kirkaldy 1908a, p. 780 [New South Wales].—Drake and Ruhoff 1961a, p. 3, fig. 1 a, b [Western Australia].

TYPE: Holotype ♀, macropterous; Sydney, New South Wales, Australia; Hawaii. Sugar Plant. Assn.

DISTRIBUTION: Australia (New South Wales; Western Australia).

HOST PLANT: Unrecorded.

Epimixia nigriceps (Signoret)

Agramma nigriceps Signoret 1881, p. L [New Caledonia].

Serenthia nigriceps: Lethierry and Severin 1896, p. 5.

Epimixia nigriceps: Drake and Ruhoff 1960a, p. 55; 1961a, p. 5.

TYPE: Sex unknown; New Caledonia; Vienna Mus.

DISTRIBUTION: New Caledonia.

HOST PLANT: Unrecorded.

Epimixia nigripes Horváth

Epimixia alitophrosyne var. *nigripes* Horváth 1925a, p. 16 [Queensland].

Epimixia nigripes: Drake and Ruhoff 1961a, p. 3.

TYPE: Holotype ♂; Evelyne, Queensland, Australia; Stockholm Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

**Epimixia nigripes* subsp. *dysmica* Drake and Ruhoff

Epimixia alitophrosyne (not Kirkaldy): Horváth 1925a, p. 16 [Queensland].—Hacker 1927, p. 20, fig. 16; 1928, p. 186 [South Australia; New South Wales].

Epimixia nigripes subsp. *dysmica* Drake and Ruhoff 1961a, p. 4.

TYPE: Holotype ♂; Colosseum, Queensland, Australia; Stockholm Mus.

DISTRIBUTION: Australia (Queensland; New South Wales; South Australia).

HOST PLANT: Unrecorded.

**Epimixia veteris* Drake

Epimixia veteris Drake 1944a, p. 71 [Queensland]; 1961b, p. 112 [Casuarina].—Drake and Ruhoff 1961a, p. 4, fig. 2 [South Australia; Western Australia].

TYPE: Holotype ♂, macropterous; Samsonvale, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland; South Australia; Western Australia).

HOST PLANT: *Casuarina* sp.

***Epimixia vittata** Horváth

Epimixia vittata Horváth 1925a, p. 16 [Queensland].—Hacker 1928, p. 186 [Tasmania; South Australia; New South Wales].—Drake and Ruhoff 1961a, p. 4, fig. 3.

TYPE: Holotype ♀; Colosseum, Queensland, Australia; Stockholm Mus.

DISTRIBUTION: Australia (Queensland; Tasmania; New South Wales; South Australia).

HOST PLANT: Unrecorded.

***Epimixia vulturina** (Kirkaldy)

Teleonemia vulturina Kirkaldy 1908a, p. 781 [Queensland].—Hacker 1927, p. 22.

Epimixia vulturina: Drake 1944a, p. 67.—Drake and Ruhoff 1961a, p. 5, fig. 4 [New South Wales; South Australia].

Epimixia tenuialis Drake 1944a, p. 71; 1961b, p. 112.

Epimixia evansi Drake 1944a, p. 72 [Tasmania].

TYPE: Holotype ♀, macropterous; Kuranda, Queensland, Australia; Hawaii. Sugar Plant. Assn.

DISTRIBUTION: Australia (Queensland; New South Wales; South Australia; Tasmania).

HOST PLANT: Unrecorded.

Genus ERITINGIS Drake and Ruhoff

Eritingis Drake and Ruhoff 1962d, p. 497.

TYPE SPECIES: *Teleonemia pacifica* Kirkaldy.

***Eritingis agyiates** Drake and Ruhoff

Eritingis agyiates Drake and Ruhoff 1962d, p. 498 [Queensland].

TYPE: Holotype ♂, macropterous; North Pine, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Eritingis amoena** Drake and Ruhoff

Eritingis amoena Drake and Ruhoff 1962d, p. 504 [New South Wales; Tasmania; South Australia].

TYPE: Holotype ♀, macropterous; Mittagong, New South Wales, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (New South Wales; South Australia; Tasmania).

HOST PLANT: Unrecorded.

***Eritingis aporema** Drake and Ruhoff

Eritingis aporema Drake and Ruhoff 1962b, p. 250 (nom. nud.) [South Australia; Flinders Island]; 1962d, p. 503 [Queensland].

TYPE: Holotype ♂, macropterous; Stanthorpe, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland; South Australia; Flinders Island).

HOST PLANT: Unrecorded.

***Eritingis exalla** (Drake)

Tingis exalla Drake 1961b, p. 110 [New South Wales].

Eritingis exalla: Drake and Ruhoff 1962d, p. 497.

TYPE: Holotype ♂; Kosciusko, New South Wales, Australia; Austr. Mus.

DISTRIBUTION: Australia (New South Wales).

HOST PLANT: Unrecorded.

***Eritingis hylaea** Drake and Ruhoff

Eritingis hylaea Drake and Ruhoff 1962d, p. 502 [Queensland].

TYPE: Holotype ♂, macropterous; Roma, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Eritingis koebeli** (Drake)

Nethersia koebeli Drake 1944a, p. 74 [Australia].

Eritingis (nom. nud.) *koebeli*: Drake and Ruhoff 1962b, p. 250 [South Australia].

Eritingis koebeli: Drake and Ruhoff 1962d, p. 497.

TYPE: Holotype ♀, macropterous; Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (South Australia).

HOST PLANT: Unrecorded.

***Eritingis nostratis** (Drake)

Nethersia nostratis Drake 1944a, p. 74 [Queensland].

Eritingis nostratis: Drake and Ruhoff 1962d, p. 497.

TYPE: Holotype ♀, macropterous; Cedar Creek, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Eritingis pacifica** (Kirkaldy)

Teleonemia pacifica Kirkaldy 1908a, p. 780 [Viti Levu] (in part, specimen from Rewa only).

Ulonemia pacifica: Drake and Poor 1943, p. 193 (in part).—Drake and Hurd 1945a, p. 288 (in part).

Eritingis pacifica: Drake and Ruhoff 1962d, pp. 497, 498.

TYPE: Lectotype ♀; Rewa, Viti Levu, Fiji Islands; Hawaii. Sugar Plant. Assn.

DISTRIBUTION: Fiji Islands (Viti Levu).

HOST PLANT: Unrecorded.

NOTE: Lectotype [Drake and Ruhoff].

***Eritingis recens** (Drake and Poor)

Perissonemia (Ulonemia) recentis Drake and Poor 1937a, p. 5 [Singapore].

Perissonemia recentis: Drake and Poor 1937b, p. 400.

Ulonemia recens: Drake 1947d, p. 229 [Viet-Nam].

Eritingis recens: Drake and Ruhoff 1962d, p. 497, fig. 3.

TYPE: Holotype ♂, macropterous; Singapore, Straits Settlements; USNM.

DISTRIBUTION: Singapore; Viet-Nam.

HOST PLANT: Unrecorded.

**Eritingis trivirgata* (Horváth)

Teleonemia pacifica Kirkaldy 1908a, p. 780 [Queensland] (in part, specimens from Kuranda, Queensland only).

Tingis (Tropidocheila) trivirgata Horváth 1925a, p. 6.—Hacker 1927, p. 24.

Ulonemia pacifica: Drake and Poor 1943, p. 193 (in part).—Drake and Hurd 1945a, p. 288 (in part).—Drake 1961b, p. 112.

Tingis virgata [sic]: Drake 1947c, p. 113 (fig. only).

Eritingis (nom. nud.) *trivirgata*: Drake and Ruhoff 1962b, p. 250.

Eritingis trivirgata: Drake and Ruhoff 1962d, p. 497.

TYPE: Lectotype ♀; Mt. Tambourine, Australia; Stockholm Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

NOTE: Lectotype [Drake and Ruhoff 1962d].

**Eritingis violina* Drake and Ruhoff

Eritingis violina Drake and Ruhoff 1962d, p. 500 [New South Wales].

TYPE: Holotype ♂, macropterous; Glouchester, New South Wales, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (New South Wales).

HOST PLANT: Unrecorded.

Genus **ESOCAMPYLIA** Hacker

Esocampylia Hacker 1929, p. 326.—Drake and Ruhoff 1960a, p. 56.

TYPE SPECIES: *Esocampylia incarinata* Hacker.

**Esocampylia hackeri* Drake

Esocampylia hackeri Drake 1942a, p. 14 [Australia; moss; lichens].

TYPE: Holotype ♀; Mt. Lofty Ridge, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia.

HOST PLANTS: Moss; lichens.

**Esocampylia incarinata* Hacker

Esocampylia incarinata Hacker 1929, p. 326, pl. 32, fig. 4 [Queensland].

TYPE: Sex unknown; Blackbutt Range, Queensland, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

Genus ETEONEUS Distant

Eteoneus Distant 1903b, p. 129.—Drake 1946, p. 28.—Drake and Ruhoff 1960a, p. 56.

TYPE SPECIES: *Serenthia dilatata* Distant.

Eteoneus angolensis Drake

Eteoneus congolensis (not Schouteden): Drake 1955b, p. 87, fig. 1 [Angola].

Eteoneus angolensis Drake 1956b, p. 113.

TYPE: Sex unknown; Dundo, Angola; Cent. Afr. Mus.

DISTRIBUTION: Angola.

HOST PLANT: Unrecorded.

***Eteoneus angulatus** Drake and Maa

Eteoneus angulatus Drake and Maa 1953, p. 89 [China].

TYPE: Holotype ♀, macropterous; Siyingpan, Yungan Hsien, Fukien, China; Drake Coll. (USNM).

DISTRIBUTION: China.

HOST PLANT: Unknown.

NOTE: Found "resting on leaf of *Ulmus* sp." [Drake and Maa].

***Eteoneus boops** (Blöte)

Compseuta boops Blöte 1945, p. 89 [Sumatra].

Eteoneus boops: Drake 1948h, p. 75.

TYPE: Sex unknown; Lubuk Sikaping, Sumatra; Leiden Mus.

DISTRIBUTION: Greater Sunda Islands (Sumatra); Philippine Islands (Mindanao).

HOST PLANT: Unrecorded.

***Eteoneus confectus** Drake

Eteoneus confectus Drake 1942a, p. 7 [Malaya].

TYPE: Holotype ♀, macropterous; "Malacca, Perak"; Drake Coll. (USNM).

DISTRIBUTION: Federation of Malaya; Greater Sunda Islands (Java).

HOST PLANT: Unrecorded.

NOTE: Type locality taken from label on type specimen.

Eteoneus congolensis Schouteden

Eteoneus congolensis Schouteden 1923, p. 85 [Congo].

TYPE: Sex unknown; Watsa, Haut-Uelé, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Eteoneus dilatatus** (Distant)

Serenthia dilatata Distant 1903a, p. 46 [Burma].

Eteoneus dilatatus: Distant 1903b, p. 129, fig. 93.—Takeya 1931, p. 82, pl. 9, figs. 11–14 [Taiwan]; 1951a, p. 17.

TYPE: Sex unknown; Tenasserim, Burma; British Mus.

DISTRIBUTION: Burma; Taiwan.

HOST PLANT: Unrecorded.

***Eteoneus esakii** Drake

Eteoneus esakii Drake 1939e, p. 102 [Peleliu; *Premna*]; 1956d, p. 110, fig. 5 [Koror].—Takeya 1951a, p. 17.

TYPE: Holotype ♂; Akarokuru-Shiasu, Peliliou, Palau Islands; Kyushu Univ.

DISTRIBUTION: Palau Islands (Peleliu; Koror).

HOST PLANT: *Premna* sp.

NOTE: Taken at light [Drake 1939f].

Eteoneus homelys Drake and Ruhoff

Eteoneus homelys Drake and Ruhoff 1962a, p. 159, pl. 41 [Amboina].

TYPE: Holotype ♂, macropterous; Amboina, Malay Archipelago; Cal. Acad.

DISTRIBUTION: Moluccas (Amboina Island).

HOST PLANT: Unrecorded.

***Eteoneus inopinus** Drake

Eteoneus inopinus Drake 1945, p. 99 [Rhodesia]; 1958b, p. 29 [Congo].

TYPE: Holotype ♂, macropterous; Bulamayo, Southern Rhodesia; Drake Coll. (USNM).

DISTRIBUTION: Southern Rhodesia; Congo.

HOST PLANT: Unrecorded.

***Eteoneus lectus** Drake

Eteoneus lectus Drake 1960, p. 353, fig. 9 [New Britain].

TYPE: Holotype ♂; Kerawat, Gazelle Peninsula, New Britain; Bishop Mus.

DISTRIBUTION: New Britain Island, Bismarck Archipelago.

HOST PLANT: Unrecorded.

Eteoneus minor Schouteden

Eteonus [sic] *minor* Schouteden 1955a, p. 29 [Congo].

TYPE: Sex unknown; Moto, Ituri, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Eteoneus peroronus** Drake

PLATE 11

Eteoneus peroronus Drake 1942a, p. 7 [Malaya]; 1960, p. 353 [New Guinea].—Drake and Ruhoff 1962a, p. 160, pl. 42 (fig. only).

TYPE: Holotype ♀, macropterous; Parit Buntar, Malaya; Drake Coll. (USNM).

DISTRIBUTION: Federation of Malaya; New Guinea (Papua; Northeast Netherlands).

HOST PLANT: Unrecorded.

***Eteoneus sarptus** Drake and Poor

Eteoneus [sic] *sarptus* Drake and Poor 1937a, p. 12 [Mindanao].

TYPE: Holotype ♀, macropterous; Surigao, Mindanao, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Mindanao).

HOST PLANT: Unrecorded.

***Eteoneus sigillatus** Drake and Poor

Eteoneus sigillatus Drake and Poor 1936b, p. 144 [India].—Singh 1953, p. 118.

Eteoneus sigillatus [sic]: Drake 1946, p. 28.

TYPE: Holotype ♀, macropterous; Haldgaddi, Kalagarh Division, United Provinces; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

***Eteoneus virtutis** Drake and Poor

Eteoneus [sic] *virtutis* Drake and Poor 1937a, p. 13 [Luzon].

Eteoneus virtutis: Drake and Poor 1937b, p. 402.

TYPE: Holotype ♂, macropterous; Mount Maquiling, Laguna Province, Luzon, Philippine Islands; USNM.

DISTRIBUTION: Philippine Islands (Luzon).

HOST PLANT: Unrecorded.

***Eteoneus visendus** Drake and Poor

Eteoneus visendus Drake and Poor 1937a, p. 14 [Luzon].

TYPE: Holotype ♂, macropterous; Imugan, Nueva Vizcaya Province, Luzon, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Luzon).

HOST PLANT: Unrecorded.

Genus EUAHANES Distant

Euahanes Distant 1911a, p. 42.—Drake and Ruhoff 1960a, p. 56.

TYPE SPECIES: *Euahanes inflatus* Distant.

***Euahanes inflatus** Distant

Euahanes inflatus Distant 1911a, p. 43, fig. [Cape Province].—Blöte 1945, p. 84.

TYPE: Sex unknown; Grahamstown, Cape Colony, South Africa; So. Afr. Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

Genus EURYPHARSA Stål

Eurypharsa Stål 1873, pp. 122, 133.—Monte 1939b, p. 69; 1941e, p. 94.—Hurd 1946, p. 468.—Drake and Ruhoff 1960a, p. 56.

TYPE SPECIES: *Tingis nobilis* Guérin-Méneville.

***Eurypharsa championi** Bergroth

Eurypharsa championi Bergroth 1922, p. 151 [Brazil].—Drake and Hambleton 1938b, p. 53.—Monte 1940b, p. 375.—Silva 1956, p. 27.

TYPE: Sex unknown; Minas Gerais, Brazil; Helsin. Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

Eurypharsa farouki Silva

Eurypharsa farouki Silva 1956, p. 27, fig. 8 [Brazil].

TYPE: Holotype ♀, macropterous; Correntina, Estado da Bahia, Brazil; Instituto Biologico da Bahia.

DISTRIBUTION: Brazil.

HOST PLANT: Found "sucking the foliage of 'cipó' (Malpighiaceae?)."

Eurypharsa fenestrata Champion

Eurypharsa fenestrata Champion 1898a, p. 44, pl. 3, figs. 17, 17a [Panama].

TYPE: Sex unknown; Bugaba, Panama; British Mus.

DISTRIBUTION: Panama.

HOST PLANT: Unrecorded.

***Eurypharsa nobilis** (Guérin-Ménéville)

Tingis nobilis Guérin-Ménéville 1844, p. 349 [Colombia; Bolivia].

Tingis circumdata Blanchard 1846, p. 219, pl. 29, fig. 7.—Stål 1873, p. 134.—Lethierry and Severin 1896, p. 26.

Eurypharsa nobilis: Stål 1873, p. 133 [Brazil].—Lethierry and Severin 1896, p. 23.—Champion 1898a, p. 44; 1898b, p. 63.—Horváth 1925b, p. 220 [Peru].—Drake 1931c, p. 226.—Drake and Hambleton 1938b, p. 53.

TYPE: Unknown.

DISTRIBUTION: Brazil; Colombia; Bolivia; Peru.

HOST PLANT: Unrecorded.

***Eurypharsa phyllophila** Drake

Eurypharsa phyllophila Drake 1922c, p. 359 [Brazil].

TYPE: Holotype ♂, macropterous; Rio Guaporé, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Eurypharsa quadrifenestrata** Bergroth

Eurypharsa quadrifenestrata Bergroth 1898, p. 9 [Brazil]; 1922, p. 151.—

Drake and Hambleton 1938b, p. 53, pl. 9, fig. c.—Silva 1956, p. 30.

TYPE: Sex unknown; Brazil; Helsin. Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

Genus FROGGATTIA Froggatt

Froggattia Froggatt 1901, p. 1601.—Horváth 1902b, p. 605.—Drake and Ruhoff 1960a, p. 57.

TYPE SPECIES: *Froggattia olivinia* Froggatt.

**Froggattia disticha* Drake

Froggattia disticha Drake 1947c, p. 120 [Queensland].

TYPE: Holotype ♀, macropterous; Cedar Creek, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

**Froggattia hargreavesi* Drake

Froggattia hargreavesi Drake 1945, p. 100 [Uganda; *Jasminum dichotomum*].

TYPE: Holotype ♂; Kampala, Uganda; British Mus.

DISTRIBUTION: Uganda.

HOST PLANT: *Jasminum dichotomum*.

**Froggattia olivinia* Froggatt

Froggattia olivinia Froggatt 1901, p. 1601, fig. 14 [New South Wales; olive; *Notelaea longifolia*]. —Drake and Ruhoff 1960a, p. 57.—Drake 1961b, p. 108.

Froggattia olivina Horváth 1902b, p. 605.—Hacker 1927, p. 25 [Queensland]; 1928, p. 181 [Tasmania].—Silvestri 1934, p. 259 [*Olea europaea*].

TYPE: Sex unknown; Camden Park, New South Wales, Australia; Hungarian Mus.

DISTRIBUTION: Australia (New South Wales; Tasmania; Queensland).

HOST PLANTS: *Notelaea longifolia*; *Olea europaea*.

NOTE: See Drake and Ruhoff re authorship priority.

Genus FURCILLIGER Horváth

Furcilliger Horváth 1925a, p. 3.—Drake and Ruhoff 1960a, p. 57.

TYPE SPECIES: *Furcilliger asperulus* Horváth.

Furcilliger asperulus Horváth

Furcilliger asperulus Horváth 1925a, p. 4, fig. 2 [Queensland].

TYPE: Sex unknown; Herberton, Queensland, Australia; Stockholm Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

Furcilliger cheesmanae Drake

Furcilliger cheesmanae Drake 1954b, p. 10 [Papua].—Drake and Davis 1960, fig. 45.—Drake 1960, p. 368, fig. 20.

TYPE: Holotype ♂; Kokoda, Papua; British Mus.

DISTRIBUTION: New Guinea (Papua).

HOST PLANT: Unrecorded.

***Furcilliger orestes** Drake and Ruhoff

Furcilliger orestes Drake and Ruhoff 1962d, p. 492 [New Guinea].

TYPE: Holotype ♀, macropterous; Medang, New Guinea; Drake Coll. (USNM).

DISTRIBUTION: New Guinea.

HOST PLANT: Unrecorded.

Genus GABIROBIUS Schouteden

Gabirobilus Schouteden 1955b, p. 166.—Drake and Ruhoff 1960a, p. 58.

TYPE SPECIES: *Gabirobilus basilewskyi* Schouteden.

Gabirobilus basilewskyi Schouteden

Gabirobilus basilewskyi Schouteden 1955b, p. 167 [Ruanda]; 1957c, p. 313.

TYPE: Sex unknown; Gabiro, Ruanda; Cent. Afr. Mus.

DISTRIBUTION: Ruanda-Urundi.

HOST PLANT: Unrecorded.

Genus GALEATUS Curtis

Galeatus Curtis 1833, p. 196.—Stål 1874, p. 48.—Jakovlev 1880a, p. 129.—Horváth 1897b, pp. 455–460 (key); 1906a, pp. 13, 49 (key).—Puton 1899, p. 40.—Lethierry and Severin 1896, p. 11.—Oshanin 1908, p. 421; 1912, p. 43.—Osborn and Drake 1916a, p. 236.—Stichel 1926, pp. 104, 109 (key); 1935, p. 349; 1938a, p. 406; 1960a, p. 295 (key); 1960b, p. 393; 1960c, p. 132.—Börner 1935, pp. 73, 76 (key).—Gulde 1938, pp. 243, 271 (key).—Hurd 1946, p. 478.—Kiritshenko 1951, pp. 241, 246 (key).—Singer 1952, p. 50.—Drake and Ruhoff 1960a, p. 58.

Cadmilos Distant 1909a, p. 113; 1910a, p. 107.—Drake and Ruhoff 1960a, p. 41.

TYPE SPECIES: *Tingis spinifrons* Fallén.

Galeatus armatus Takeya

Galeatus armatus Takeya 1931, p. 68, pl. 8, figs. 4, 5 [Japan]; 1951a, p. 7.

TYPE: Holotype ♂; Fukuoka, Kyushu, Japan; Kyushu Univ.

DISTRIBUTION: Japan.

HOST PLANT: Unrecorded.

***Galeatus cellularis** Jakovlev

Galeatus cellularis Jakovlev 1884, p. 121 [Turkestan].—Horváth 1897b, pp. 455, 458; 1906a, p. 52.—Kiritshenko 1951, p. 247.

TYPE: Holotype ♀, macropterous; Turkestan, Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R. (Turkestan).

HOST PLANT: Unrecorded.

***Galeatus clara** Drake

Galeatus clara Drake 1948e, p. 155 [China].

TYPE: Holotype ♂, macropterous; Shanghai; China; Drake Coll. (USNM).

DISTRIBUTION: China.

HOST PLANT: Unrecorded.

***Galeatus decorus** Jakovlev

Galeatus decorus Jakovlev 1880a, pp. 131, 134 [Russia].—Horváth 1905b, p. 566 [Hungary; Rumania]; 1906a, p. 54.—Lindberg 1934, p. 29 [China].—Kiritshenko 1951, p. 247.—Stichel 1960a, p. 298 [Bulgaria].

TYPE: Holotype ♀, brachypterous; Chvalynsk, Saratovskaja, Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R.; Rumania; Hungary; Bulgaria; China.

HOST PLANT: Unrecorded.

***Galeatus inermis** (Jakovlev)

Tingis inermis Jakovlev 1876b, p. 68, pl. 2, fig. 8 [Russia].

Galeatus inermis: Jakovlev 1880a, p. 130.—Horváth 1897b, pp. 455, 457 [Turkestan]; 1906a, p. 51.—Oshanin 1908, p. 421 [Caucasus].—Blöte 1945, p. 83.—Kiritshenko 1951, p. 246; 1959a, p. 105.—Stichel 1960a, p. 295.

TYPE: Sex unknown; Astrakhan, Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R. (Turkestan; Caucasus).

HOST PLANT: Unrecorded.

***Galeatus maculatus** (Herrich-Schaeffer)

PLATE 46

Tingis pyri (not Fabricius): Herrich-Schaeffer 1835, p. 58; 1836, p. 74, fig. 291.—Schilling 1838, p. 105.

Tingis cristata (not Panzer): Schilling 1838, p. 106.

Tingis maculata Herrich-Schaeffer 1838, p. 68.—Fieber 1844, p. 107, pl. 9, fig. 21; 1861, p. 130.—Mayr 1858, p. 572 [Hungary].—Frey-Gessner 1865, p. 233 [Switzerland].—Jakovlev 1869, p. 112 [Russia].

Tingis subglobosa Herrich-Schaeffer 1838, p. 68.—Fieber 1844, p. 106, pl. 9, figs. 17–20 [Czechoslovakia; Austria].—Scholz 1847, p. 122.

Campylosteira (*Dictyonota*) *subglobosa*: Kolenati 1856, p. 435 [Caucasus].

Galeatus maculatus: Stål 1874, p. 48.—Puton 1879c, p. 105 [France; *Hieracium pilosella*].—Bolivar and Chicote 1879, p. 166 [Portugal; Spain].—Jakovlev 1880a, p. 131; 1880b, p. 101.—Reuter 1885, p. 44.—Lethierry and Severin 1896, p. 11 [Algeria; Tunisia].—d'Antesantny 1890, p. 31.—Hüeber 1893, p. 322.—Horváth 1897b, pp. 457, 460 [Belgium; Netherlands; Germany; Transcaucasus]; 1906a, p. 53 [*Potentilla*]; 1923b, p. 190.—Mužik 1907, p. 57.—Reichensperger 1920, p. 61.—Moroder Sala 1920, p. 12.—Stichel 1926, p. 109 [*Hieracium*]; 1960a, p. 297, fig. 92 [Poland].—Jordan 1933, p. 229,

figs. 25–30 [*Statice armeria*; *Herniaria glabra*; *Erica vulgaris*].—Scholte 1935, p. 31, fig. 6.—Gulde 1938, p. 275, fig.—Hoberlandt 1942, p. 125; 1943a, p. 118; 1943b, p. 123.—Blöte 1945, p. 83.—González 1948, p. 50.—Kiritshenko 1951, p. 247.—Gomez-Menor 1955b, p. 249.—Drake and Ruhoff 1962c, p. 135.

TYPE: Unknown.

DISTRIBUTION: Spain; Portugal; France; Netherlands; Belgium; Switzerland; Germany; Czechoslovakia; Austria; Poland; Hungary; U.S.S.R. (Transcaucasus; Caucasus); Algeria; Tunisia.

HOST PLANTS: *Erica vulgaris*; *Herniaria glabra*; *Hieracium pilosella*; *Hieracium* sp.; *Potentilla* sp.; *Statice armeria*.

NOTE: Life history study [Jordan].

***Galeatus major** Puton

Galeatus maculatus var. *major* Puton 1886a, p. 5 [Tunisia].

Galeatus major: Horváth 1897b, pp. 457, 460 [Algeria]; 1906a, p. 53.—Gomez-Menor 1955b, p. 249 [Spain].—Stichel 1960a, p. 298 [Sicily; Italy].—Drake and Ruhoff 1962d, p. 489.

Galeatus maroccanus Lindberg 1936a, p. 81, fig. 1 [Morocco].

TYPE: Sex unknown; Tunisia; Paris Mus.

DISTRIBUTION: Tunisia; Morocco; Algeria; Spain; Sicily; Italy.

HOST PLANT: Unrecorded.

***Galeatus scitulus** Drake and Maa

Galeatus scitulus Drake and Maa 1953, p. 90 [China; *Chrysanthemum*].

TYPE: Holotype ♂, macropterous; Siyingpan, Yungan Hsien, Fukien, China; Drake Coll. (USNM).

DISTRIBUTION: China.

HOST PLANT: Wild *Chrysanthemum*.

***Galeatus scrophicus** Saunders

Galeatus scrophicus Saunders 1876, p. 103 [Greece].—Lethierry and Severin 1896, p. 12 [Egypt].—Horváth 1897b, pp. 455, 457 [Armenia]; 1906a, p. 52 [Crete; Algeria]; 1911c, p. 108.—Oshanin 1908, p. 422 [Caucasus].—Lindberg 1948, p. 58 [Cyprus]; 1958a, p. 78 [Cape Verde].—Priesner and Alfieri 1953, p. 63 [*Echinops spinosa*].—Drake 1954f, p. 7 [Sudan; Transvaal; Senegal; South-West Africa; sunflower].—Gomez-Menor 1955b, p. 249 [Spain]; 1956a, p. 109, fig. 3 (fig. only).—Hoberlandt 1955, p. 87 [Turkey; Iraq; Israel; Tadzhik; Transcaucasus; *Artemisia*; *Astragalus*; *Plantago*].—Stichel 1960a, p. 295 [Morocco; Canary Islands; Syria; *Launaea spinosa*].

Galeatus semilucidus Jakovlev 1884, p. 121 [Turkestan].

Galeathus [sic] *semilucidus*: Reuter 1891a, p. 26.

Cadmilos retiarius Distant 1909a, p. 114 [India; *Chrysanthemum*]; 1910a, p. 107, fig. 53.

Galeatus retiarius: Fletcher 1920, p. 263.

Galeatus serophicus [sic]: González 1948, p. 50.

TYPE: Sex unknown; Point Scophia, Greece; British Mus.

DISTRIBUTION: Spain; Greece; Crete; Cyprus; Israel; Iraq; Turkey; Syria; U.S.S.R. (Armenia; Transcaucasus; Caucasus; Turkestan; Tadzhik); India; Algeria; Egypt; Sudan; Senegal; South Africa (Transvaal; South-West Africa); Morocco; Cape Verde Islands; Canary Islands.

HOST PLANTS: *Artemisia* sp.; *Astragalus* sp.; *Chrysanthemum* sp.; *Echinops spinosa*; *Launaea spinosa*; *Plantago* sp.; sunflower.

**Galeatus sinuatus* (Herrich-Schaeffer)

PLATE 45

Tingis sinuata Herrich-Schaeffer 1838, p. 68, pl. 126, fig. 394 [Hungary]; 1850, p. 162.—Fieber 1844, p. 108, pl. 9, fig. 22; 1861, p. 129.—Scholz 1847, p. 122.—Mayr 1858, p. 572 [Austria].—Walker 1873a, p. 179.

Galeatus sinuatus: Stål 1874, p. 48.—Hüeber 1893, p. 324 [*Hieracium pilosella*].—Horváth 1897b, pp. 455, 457; 1906a, p. 52.—Oshanin 1908, p. 422 [Germany].—Stichel 1926, p. 109; 1960a, p. 295, fig. 85 [Bulgaria].—Kiritshenko 1951, p. 247.—Putshkov 1960, p. 302 [*Phlomis tuberosa*].

Tingis perspicuus Jakovlev 1875a, p. 162 [Russia].

Galeatus brevispinus [sic] Jakovlev 1880a, p. 130.—Puton 1886b, p. 33. *Galeatus brevispinus* Jakovlev 1880a, p. 131.—Reuter 1890a, p. 249.—Horváth 1897b, pp. 455, 457; 1906a, p. 52.—Puton 1899, p. 40.—Kiritshenko 1951, p. 246.

Galeatus perspicuus: Jakovlev 1880a, p. 130.

TYPE: Hungary; sex and deposition of type unknown.

DISTRIBUTION: Hungary; Germany; Austria; Poland; Bulgaria; U.S.S.R.

HOST PLANTS: *Hieracium pilosella*; *Phlomis tuberosa*.

NOTE: Life history study [Putshkov]. Synonymy of *brevispinus* Jakovlev fide I. M. Kerzhner.

**Galeatus spinifrons* (Fallén)

PLATE 44

Tingis spinifrons Fallén 1807, p. 38 [Sweden; *Solanum dulcamara*]; 1829, p. 148.—Germar 1817, fasc. 13, tab. 18.—Herrich-Schaeffer 1835, p. 58; 1838, p. 67, pl. 130, figs. a-c, g-h.—Schilling 1838, p. 106.—Amyot and Serville 1843, p. 297.—Fieber 1844, p. 104, pl. 9, figs. 6-12 [England; Czechoslovakia; Austria; Italy; *Artemisia campestris*]; 1861, p. 129.—Scholz 1847, p. 121.—Mayr 1858, p. 572.—Frey-Gessner 1865, p. 233 [Switzerland].—Garbiglietti 1869, p. 275.—Horváth 1874b, p. 432 [Hungary].

Galeatus spinifrons: Curtis 1833, p. 196.—Spinola 1837, p. 164.—Stål 1874, p. 48.—Jakovlev 1880a, p. 131; 1893, p. 294.—Reuter 1882b, p. 118 [*Calluna*; *Hieracium*].—Hüeber 1893, p. 320.—Horváth 1897b, pp. 456, 459 [Turkestan]; 1906a, p. 53 [Siberia; *Medicago*].—Mužik 1907, p. 57, fig. 4.—Oshanin 1908, p. 423 [Japan].—Lindberg 1919, p. 42 [*Antennaria dioica*].—Reichensperger 1920, p. 61.—Sahlberg

- 1920, p. 82 [*Calluna vulgaris*].—Drake 1923, p. 104.—Stichel 1926, p. 109; 1960a, p. 297, fig. 89 [Denmark].—Esaki 1932, p. 1634, fig.; 1954, p. 235, fig. 608.—Kato 1933, pl. 31, fig. 5.—Scholte 1935, p. 31 [Netherlands].—Fukui 1938, pl. 50, fig. 34.—Kiritshenko 1951, p. 247, fig. 328.—Takeya 1951a, p. 6 [Taiwan; *Artemisia vulgaris indica*; *Chrysanthemum indicum*]; 1953d, p. 168.—Putshkov 1960, p. 303 [*Helichrysum arenarium*].—Drake and Ruhoff 1962c, p. 135; 1962d, p. 490, fig. 2.
- Tingis affinis* Herrich-Schaeffer 1835, p. 58; 1836, p. 73, pl. 290 [Germany]; 1838, p. 67; 1850, p. 162.—Fieber 1844, p. 106, pl. 9, figs. 13–16; 1861, p. 129.—Sahlberg 1848, p. 136 [Finland].—Flor 1860, p. 366 [Estonia; Latvia].—Garbiglietti 1869, p. 275.—Gredler 1870, p. 76.
- Galeatus* [sic] *angusticollis* Reuter 1874, p. 563.
- Galeatus affinis*: Stål 1874, p. 48.
- Galeatus* [sic] *spinifrons*: Reuter 1874, p. 562.
- Galeatus angusticollis*: Jakovlev 1880a, p. 130 [Russia].—Hüeber 1893, p. 321.—Horváth 1897b, pp. 456, 459; 1906a, pp. 50, 52.—Mužik 1907, p. 56.—Oshanin 1908, p. 423 [Belgium].—Stichel 1926, p. 109; 1938a, p. 406 [Poland]; 1960a, p. 296.—Hoberlandt 1942, p. 125.—Kiritshenko 1951, p. 247.—Drake and Ruhoff 1962a, p. 163, pl. 43.
- Sphaerocysta peckhami* Ashmead 1887, p. 156 [Wis.].
- Galeatus peckhami*: Van Duzee 1889, p. 5 [Canada]; 1917b, p. 216 [Ont.; Man.].—Uhler 1904, p. 362.—Parshley 1916b, p. 105 [N.H.]; 1917a, p. 15 [Maine]; 1917b, p. 55; 1923b, p. 703.—Osborn and Drake 1916a, p. 236, pl. 10, fig. c [Mass.].—Drake 1918d, p. 86; 1922d, p. 66 [N.Y.; *Aster macrophyllus*; *Eupatorium*]; 1922c, pp. 105–110, pl. 5 [Minn.; Mich.]; 1923a, p. 102; 1928b, p. 101.—Blatchley 1926, p. 453, fig. 98.—Proctor 1946, p. 74.—Bailey 1951, p. 39; 1959, p. 64.
- Galeatus uhleri* Horváth 1923a, p. 108 [N. Mex.].—Hurd 1946, p. 478 [Colo.; Alta.].
- Copium artemisifolium* Shinji 1938, p. 316 [*Artemisia vulgaris*].—Takeya 1951a, p. 19.
- Galeatus angusticollis* subsp. *uhleri*: Drake and Ruhoff 1962a, p. 163.

TYPE: Unknown.

DISTRIBUTION: England; Netherlands; Belgium; Germany; Switzerland; Czechoslovakia; Hungary; Austria; Italy; Poland; Sweden; Finland; Norway; Denmark; U.S.S.R. (Latvia; Estonia; Turkestan; Siberia); Japan; Taiwan; U.S. (Maine; Wis.; N.H.; N.Y.; Mass.; Minn.; Mich.; Colo.; Utah; N. Mex.); Canada (Ont.; Man.; Alta.).

HOST PLANTS: *Antennaria dioica*; *Artemisia campestris*; *Artemisia vulgaris*; *Artemisia vulgaris indica*; *Aster macrophyllus*; *Calluna vulgaris*; *Calluna* sp.;

Chrysanthemum indicum; *Eupatorium* sp.; *Helichrysum arenarium*; *Hieracium* sp.;
Medicago sp.; *Solanum dulcamara*.

NOTE: Life history studies [Putshkov; Drake 1922e; Bailey].

Genus GARGAPHIA Stål

Monanthia (*Gargaphia*) Stål 1862, p. 324.

Gargaphia: Stål 1873, pp. 119, 124.—Uhler 1886, p. 22.—Lethierry and Severin 1896, p. 13.—Champion 1897, p. 9 (key).—Banks 1910, p. 56.—Van Duzee 1916, p. 25; 1917b, p. 217.—Osborn and Drake 1916a, p. 233 (key).—Drake 1917b, pp. 227–228 (key).—Gibson 1919b, pp. 187–201 (key).—Blatchley 1926, p. 472 (key).—Costa Lima 1936, p. 126.—Monte 1939b, p. 69; 1941e, p. 95.—Hurd 1946, p. 479.—Drake and Ruhoff 1960a, p. 58.

TYPE SPECIES: *Monanthia* (*Phyllontochila*) *patricia* Stål.

**Gargaphia acmonis* Drake and Hambleton

Gargaphia acmonis Drake and Hambleton 1945, p. 366 [Peru; Colombia].

TYPE: Holotype ♂, macropterous; Tingo María, Peru; Drake Coll. (USNM).

DISTRIBUTION: Peru; Colombia; Surinam.

HOST PLANT: *Hibiscus esculentus*.

**Gargaphia albescens* Drake

Gargaphia albescens Drake 1917b, p. 228 [Calif.].—Gibson 1919b, p. 197.

TYPE: Holotype ♀, macropterous; Sacramento, California, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Calif.).

HOST PLANT: Unrecorded.

**Gargaphia amorphae* (Walsh)

Tingis amorphae Walsh 1864, p. 409 [*Amorpha fruticosa*].—Walker 1873a, p. 180 [Ill.].

Gargaphia amorphae: Uhler 1886, p. 22.—Bergroth 1892, p. 264.—Smith 1910, p. 149 [N.J.].—Osborn and Drake 1916a, p. 235.—McAtee 1917b, p. 79.—Gibson 1919b, p. 195 [N.C.; W. Va.].—Drake 1925c, p. 37 [Miss.]; 1928b, p. 102 [N.Y.].—Blatchley 1926, p. 474 [Ind.].—Froeschner 1944, p. 668 [Mo.].—Hurd 1946, p. 480 [Iowa].

Gargaphia tiliae var. *amorphae*: Van Duzee 1917b, p. 217.

TYPE: Lectotype ♀, macropterous; U.S.; USNM.

DISTRIBUTION: U.S. (N.Y.; Pa.; N.J.; Va.; N.C.; Miss.; Ohio; Mo.; Ind.; W. Va.; Ill.; Iowa).

HOST PLANT: *Amorpha fruticosa*.

NOTE: Walsh failed to state the type locality for this species, and the type specimen bears only the label "Collection C. V. Reiley." We believe that the type locality is Illinois.

***Gargaphia angulata** Heidemann

Gargaphia angulata Heidemann 1899b, p. 301 [Ala.; D.C.; Mo.; bean].—Chittenden 1900, p. 32, fig. 8.—Smith 1910, p. 149, fig. 63 (fig. only).—Osborn and Drake 1916a, p. 233, fig. 6 [Tenn.; Mass.; Pa.; N.C.].—Van Duzee 1917b, p. 218 [Ohio].—Parshley 1917b, p. 56 [Conn.]; 1923b, p. 704, pl. 17, fig. 7.—McAtee 1917b, p. 79 [*Ceanothus americanus*]; 1923, p. 147 [Va.].—Gibson 1919b, pp. 189, 191 [Ariz.; N.J.].—Barber 1922a, p. 17.—Blatchley 1926, p. 474, fig. 106; pl. 4, fig. 7 [N.Y.].—Drake 1928b, p. 102 [*Solanum*].—Froeschner 1944, p. 669.—Hurd 1946, p. 480 [Colo.; Minn.].—Bailey 1951, p. 42.—Drake and Ruhoff 1962a, p. 161.

Gargaphia undulata Heidemann 1901, p. 493 (nom. nud).—Van Duzee 1917b, p. 218.

TYPE: Holotype ♂, macropterous; Auburn, Alabama, U.S.; USNM.

DISTRIBUTION: U.S. (Mass.; Conn.; N.Y.; Pa.; N.J.; Md.; D.C.; Va.; N.C.; S.C.; Ala.; Miss.; Tenn.; Ohio; Mich.; Mo.; Kans.; Minn.; Colo.; Ariz.).

HOST PLANTS: *Ceanothus americanus*; *Solanum* sp.; bean.

***Gargaphia argillacea** Monte

Gargaphia argillacea Monte 1943d, p. 263, fig. 1 [Brazil].

TYPE: Holotype ♂; Guarapuava, Paraná, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Gargaphia arizonica** Drake and Carvalho

Gargaphia arizonica Drake and Carvalho 1944, p. 43 [Tex.; Ariz.; N. Mex.; Mexico].

TYPE: Holotype ♂, macropterous; Huachuca Mountains, Arizona, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Ariz.; N. Mex.; Tex.); Mexico.

HOST PLANT: Unrecorded.

***Gargaphia balli** Drake and Carvalho

Gargaphia balli Drake and Carvalho 1944, p. 42 [Ariz.; N. Mex.].

TYPE: Holotype ♂, macropterous; Naco, Arizona, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Ariz.; N. Mex.).

HOST PLANT: Unrecorded.

***Gargaphia bimaculata** Parshley

Gargaphia bimaculata Parshley 1920a, p. 271 [Fla.].—Blatchley 1926, p. 475 [thistle].

Gargaphia binotata [sic]: Drake 1925c, p. 37.

TYPE: Holotype ♀, macropterous; Biscayne Bay, Florida, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Fla.).

HOST PLANT: Thistle.

Gargaphia boliviana Monte

Gargaphia boliviana Monte 1947b, p. 431 [Bolivia].

TYPE: Holotype ♂; Cochabamba, Bolivia; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Bolivia.

HOST PLANT: Unrecorded.

***Gargaphia brunfelsiae** Monte

Gargaphia brunfelsiae Monte 1938c, p. 64, fig. [Brazil; *Brunfelsia*]; 1938d, p. 389 [Argentina; *Brunfelsia hopeana*]; 1940c, p. 193, fig. 26; 1940e, p. 295.—Singh 1953, p. 118.

TYPE: Holotype ♂; Belo Horizonte, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil; Argentina.

HOST PLANTS: *Brunfelsia hopeana*; *Brunfelsia* sp.

***Gargaphia comosa** Monte

Gargaphia comosa Monte 1941a, p. 374, fig. 2 [Brazil].

TYPE: Holotype ♂; Catanduva, São Paulo, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Gargaphia concursa** Drake

Gargaphia concursa Drake 1930b, p. 25 [Brazil].—Monte 1939b, p. 69 [Croton; Annonaceae].—Silva 1956, p. 30.

Gargaphia concusa [sic]: Drake 1947a, p. 2.

TYPE: Holotype ♂, macropterous; Bahia, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANTS: *Croton* sp.; Annonaceae.

***Gargaphia condensa** Gibson

Gargaphia condensa Gibson 1919b, pp. 189, 197 [Ariz.; *Dahlia parryi*].—Drake 1922b, p. 41.

Gargaphia carinata Gibson 1919b, p. 199.

TYPE: Holotype ♀, macropterous; Santa Rita Mountains, Arizona, U.S.; USNM.

DISTRIBUTION: U.S. (Ariz.).

HOST PLANT: *Dahlia parryi*.

***Gargaphia costalimai** Monte

Gargaphia costa-limai Monte 1938b, p. 130, fig. 1 [Brazil; *Croton*].

TYPE: Holotype ♂; Belo Horizonte, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: *Croton* sp.

**Gargaphia crotonae* Drake and Hambleton

Gargaphia crotonae Drake and Hambleton 1938a, p. 66 [Brazil; *Croton urucurana*].—Monte 1939b, p. 69 [*Solanum*]; 1940c, p. 193.

TYPE: Holotype ♂, macropterous; Atibaia, São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Croton urucurana*; *Solanum* sp.

**Gargaphia deceptiva* (Drake and Bruner)

Gelchossa deceptiva Drake and Bruner 1924a, p. 150 [British Guiana; Trinidad].

Leptopharsa deceptiva: Monte 1942a, p. 95 [*Ipomoea*].

Gargaphia deceptiva: Hurd 1946, p. 480.

TYPE: Holotype ♀, macropterous; Demarara R., British Guiana; Drake Coll. (USNM).

DISTRIBUTION: British Guiana; Trinidad; Venezuela; Colombia.

HOST PLANT: *Ipomoea* sp.

**Gargaphia decoris* Drake

Gargaphia decoris Drake 1931b, p. 514 [Brazil]; 1935, p. 20.—Drake and Poor 1939b, p. 98 [*Solanum*].—Monte 1939b, p. 69 [*Croton urucurana*]; 1940b, p. 376.

Gargaphia decorie [sic]: Monte 1938b, p. 131 [Argentina].

TYPE: Holotype ♂, macropterous; Belo Horizonte, Minas Gerais, Brazil; Cornell Univ.

DISTRIBUTION: Brazil; Argentina.

HOST PLANTS: *Croton urucurana*; *Solanum* sp. ("probably *auricalatum*").

**Gargaphia differitas* Drake (emendation)

Gargaphia differitis Drake 1935, p. 19 [Paraguay].—Monte 1939b, p. 70 [Brazil].—Silva 1956, p. 30 [*Dalechampia ficifolia*].

TYPE: Holotype ♂; S. Bernardino, Paraguay; Vienna Mus.

DISTRIBUTION: Paraguay; Brazil.

HOST PLANT: *Dalechampia ficifolia*.

**Gargaphia dissortis* Drake

Gargaphia dissortis Drake 1930a, p. 3 [Brazil].—Monte 1942a, p. 94 [Argentina].

TYPE: Holotype ♂; Chapada, Brazil; Amer. Mus.

DISTRIBUTION: Brazil; Argentina.

HOST PLANT: Unrecorded.

**Gargaphia flexuosa* (Stål)

Monanthia (Phyllontocheila) flexuosa Stål 1858, p. 61 [Brazil].

Monanthia (Gargaphia) flexuosa: Stål 1862, p. 324.

Monanthia flexuosa: Walker 1873a, p. 192.

Gargaphia flexuosa: Stål 1873, p. 124.—Drake and Hambleton 1934, p. 450 [*Cissampelos glaberrima*; *Cissampelos tamoides*].—Drake and Poor 1937d, p. 309, pl. 36, fig. 10.—Silva 1956, p. 30, fig. 9 [*Aristolochia* sp.].
TYPE: Holotype ♀; Brazil; Stockholm Mus.

DISTRIBUTION: Brazil.

HOST PLANTS: *Aristolochia* sp.; *Cissampelos glaberrima*; *Cissampelos tamoides* (?).

**Gargaphia formosa* (Stål)

Monanthia (*Phyllontocheila*) *formosa* Stål 1858, p. 61 [Brazil].

Monanthia (*Gargaphia*) *formosa*: Stål 1862, p. 324.

Monanthia formosa: Walker 1873a, p. 192.

Gargaphia formosa: Stål 1873, p. 125.—Drake and Poor 1937d, p. 310.—

Monte 1940e, p. 294, fig. 8 [*Solanum concinnum*].

Tingis formosa (not Stål) Göldi 1886, pp. 234–241, figs.

TYPE: Holotype ♀; Brazil; Stockholm Mus.

DISTRIBUTION: Brazil.

HOST PLANT: *Solanum concinnum*.

NOTE: Morphology and life study [Göldi].

**Gargaphia gentilis* Van Duzee

Gargaphia gentilis Van Duzee 1923, p. 141 [Carmen Island; *Solanum hindsonianum*].

TYPE: Holotype ♂; Carmen Island, Gulf of California, Mexico; Cal. Acad.

DISTRIBUTION: Mexico (Carmen Island).

HOST PLANT: *Solanum hindsonianum*.

**Gargaphia gracilentata* Drake

Gargaphia gracilentata Drake 1928i, p. 74 [Argentina].—Monte 1940e, p. 296.

TYPE: Holotype ♂, macropterous; Córdoba, Alta Gracia, Argentina; Drake Coll. (USNM).

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

Gargaphia holoxantha Monte

Gargaphia holoxantha Monte 1942a, p. 93, fig. 1 [Brazil].

TYPE: Holotype ♂; Campos, Estado do Rio, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

**Gargaphia implicata* Drake and Hambleton

Gargaphia concursa var. *implicata* Drake and Hambleton 1940, p. 535 [Brazil].

Gargaphia implicata: Drake and Hambleton 1944b, p. 127 [Argentina; Paraguay].

TYPE: Holotype ♂, macropterous; Viçosa, Est. de Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil; Argentina; Paraguay.

HOST PLANT: Unrecorded.

**Gargaphia insularis* Van Duzee

Gargaphia insularis Van Duzee 1923, p. 141 [Angel de la Guardia Island; *Parosela emoryi*].

TYPE: Holotype ♂; Angel de la Guardia Island, Gulf of California, Mexico; Cal. Acad.

DISTRIBUTION: Mexico (Angel de la Guardia Island).

HOST PLANT: *Parosela emoryi*.

Gargaphia interrogationis Monte

Gargaphia interrogationis Monte 1941d, p. 99, fig. 4 [Costa Rica].

TYPE: Holotype ♂; Pacora, Costa Rica; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Costa Rica.

HOST PLANT: Unrecorded.

**Gargaphia iridescens* Champion

Gargaphia iridescens Champion 1897, p. 10, pl. 2, figs. 1, 1a [Mexico].—

Banks 1910, p. 56 [Tex.].—Van Duzee 1917b, p. 217 [Colo.]; 1923, p. 141 [San Marcos Island].—Gibson 1919b, pp. 189, 197 [Calif.; Ariz.; N. Mex.; *Ambrosia*; *Solanum*; *Malva*; sand nettle].—Torre-Bueno 1942, p. 131 [hollyhock].—Gibson and Carrillo 1959, p. 19.

TYPE: Sex unknown; Juarez, Mexico; British Mus.

DISTRIBUTION: Mexico (San Marcos Island); U.S. (Tex.; N. Mex.; Ariz.; Calif.; Colo.).

HOST PLANTS: *Ambrosia* sp.; *Malva* sp.; *Solanum* sp.; sand nettle; hollyhock.

NOTE: "Maternal solicitude" [Torre-Bueno].

**Gargaphia jucunda* Drake and Hambleton

Gargaphia jucunda Drake and Hambleton 1942b, p. 80 [Panama].

TYPE: Holotype ♂, macropterous; Panama City, Panama; Drake Coll. (USNM).

DISTRIBUTION: Panama.

HOST PLANT: Unrecorded.

**Gargaphia lanei* Monte

Gargaphia lanei Monte 1940b, p. 376 [Brazil].—Drake and Hambleton 1944b, p. 127.

Gargaphia limata Drake and Poor 1940, p. 228.

Gargaphia limitata [sic]: Monte 1941e, pp. 98, 171.

TYPE: Holotype ♂; Belo Horizonte, Minas Gerais, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Gargaphia lunulata** (Mayr)

Monanthia lunulata Mayr 1865, p. 441 [Brazil]; 1866, p. 163.—Walker 1873a, p. 193.

Gargaphia lunulata: Stål 1873, p. 124.—Berg 1884, p. 190 [Argentina; *Passiflora caerulea*].—Pennington 1921, p. 20.—Drake and Hambleton 1934, p. 450 [*Canavalia ensiformis*; *Phaseolus vulgaris*; *Hibiscus esculentus*; *Glycine max*; *Passiflora violacea*; *Ricinus communis*; *Pyrus communis*; *Gossypium arboreum*; *Stigmaphyllon*; *Cassia fistula*; *Urena lobata*; *Manihot utilissima*; *Chorisia speciosa*].—Drake 1935, p. 19 [Paraguay].—Costa Lima 1936, p. 127 [*Dolichos lablab*; *Phaseolus lunatus*; *Cassia imperialis*].—Bosq 1937, p. 128 [*Psidium*; Uruguay].—Monte 1937a, p. 36, fig. 6; 1938b, p. 131; 1938d, p. 388.—Drake and Poor 1938b, p. 109.—Araújo Mendonça 1949, pp. 183–187, figs.—Silva 1956, p. 32, fig. [*Rosa*; *Abelmoschus esculentus*; *Euphorbia heterophylla*; *Zornia diphylla*; *Cnidioscolus*; *Meibomia adscendens*].

Gargaphia lasciva Gibson 1919b, p. 198.—Fiuza 1946, pp. 338, 340, 341, 343.

TYPE: Rio de Janeiro, Brazil; sex and deposition of type unknown.

DISTRIBUTION: Argentina; Colombia; Brazil; Paraguay; Uruguay.

HOST PLANTS: *Abelmoschus esculentus*; *Canavalia ensiformis*; *Cassia fistula*; *Cassia imperialis*; *Chorisia speciosa*; *Cnidioscolus* sp.; *Dolichos lablab*; *Euphorbia heterophylla*; *Glycine max*; *Gossypium arboreum*; *Hibiscus esculentus*; *Manihot utilissima*; *Meibomia adscendens*; *Passiflora caerulea*; *Passiflora violacea*; *Phaseolus lunatus*; *Phaseolus vulgaris*; *Psidium* sp.; *Pyrus communis*; *Ricinus communis*; *Rosa* sp.; *Stigmaphyllon* sp.; *Urena lobata*; *Zornia diphylla*.

***Gargaphia manni** Drake and Hurd

Gargaphia manni Drake and Hurd 1945b, p. 130 [Bolivia].

TYPE: Holotype ♂, macropterous; Waschi, Bolivia; USNM.

DISTRIBUTION: Bolivia.

HOST PLANT: Unrecorded.

***Gargaphia mexicana** Drake

Gargaphia mexicana Drake 1922b, p. 40 [Mexico].—Hurd 1946, p. 480 [Tex.].

TYPE: Holotype ♀, macropterous; Tampico, Mexico; USNM.

DISTRIBUTION: Mexico; U.S. (Tex.).

HOST PLANT: Unrecorded.

***Gargaphia mirabilis** Monte

Gargaphia mirabilis Monte 1938a, p. 292, fig. 32 [Venezuela; *Croton pungens*].

TYPE: Holotype ♂; Antimano, distrito Federal, Venezuela; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Venezuela.

HOST PLANT: *Croton pungens*.

***Gargaphia munda** (Stål)

Monanthia (Phyllontocheila) munda Stål 1858, p. 60 [Brazil].

Monanthia (Gargaphia) munda: Stål 1862, p. 324.

Monanthia munda: Walker 1873a, p. 192.

Gargaphia munda: Stål 1873, p. 124.—Distant 1888, p. lxxxiii.—Pennington 1921, p. 20 [Argentina].—Drake 1922b, p. 41; 1935a, p. 20.—Drake and Hambleton 1934, p. 450 [*Brunfelsia*; *Solanum*]; 1944b, p. 127.—Araujo Silva 1936, p. 7.—Bosq 1937, p. 129 [*Brunfelsia hopeana*].—Drake and Poor 1937d, p. 310, pl. 36, fig. 12 [Peru]; 1938b, p. 109.—Monte 1944b, p. 466.

Monanthia lineifera Walker 1873a, p. 194.

Leptostyla lineifera: Champion 1898b, p. 60.—Distant 1902b, p. 356.

Gargaphia magna Gibson 1919b, p. 194 [Paraguay].

TYPE: Holotype ♀; Brazil; Stockholm Mus.

DISTRIBUTION: Brazil; Argentina; Paraguay; Peru.

HOST PLANTS: *Brunfelsia hopeana*; *Brunfelsia* sp.; *Solanum* sp.

***Gargaphia neivai** Drake and Poor

Gargaphia neivai Drake and Poor 1940, p. 227 [Paraguay; Ecuador].—

Drake and Hambleton 1945, p. 365.

TYPE: Holotype ♂, macropterous; Horqueta, Paraguay; Drake Coll. (USNM).

DISTRIBUTION: Ecuador; Paraguay.

HOST PLANT: Unrecorded.

***Gargaphia nexilis** Drake and Hambleton

Gargaphia nexilis Drake and Hambleton 1940, p. 537 [Brazil].

TYPE: Holotype ♀, macropterous; Campinas, São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Gargaphia nigrinervis** Stål

Gargaphia nigrinervis Stål 1873, p. 125 [Colombia].—Champion 1897, p. 10, pl. 1, figs. 13, 13a [Panama].—Osborn and Drake 1915b, p. 536 [Guatemala].—Gibson 1919b, p. 192.—Drake 1926b, p. 378; 1932, p. 100; 1935, p. 20 [Venezuela].—Drake and Poor 1937d, p. 311.—Monte 1940d, p. 104 [*Solanum*].—Drake and Hambleton 1945, p. 365 [Peru].—Drake and Cobben 1960, p. 87, fig. 86 [Aruba; Curaçao; Bonaire; *Jatropha urens*].

TYPE: Holotype ♂; Bogota, Colombia; Stockholm Mus.

DISTRIBUTION: Colombia; Venezuela; Peru; Panama; Guatemala; Netherlands Antilles (Aruba; Curaçao; Bonaire).

HOST PLANTS: *Jatropha urens*, *Solanum* sp.

**Gargaphia nigrinervis* var. *impedita* Drake and Hambleton

Gargaphia nigrinervis var. *impedita* Drake and Hambleton 1944b, p. 127 [Colombia].

TYPE: Holotype ♂, macropterous; Río Frío, Colombia; Drake Coll. (USNM).

DISTRIBUTION: Colombia.

HOST PLANT: Unrecorded.

**Gargaphia nociva* Drake and Hambleton

Gargaphia nociva Drake and Hambleton 1940, p. 536 [Brazil].

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

**Gargaphia obliqua* Stål

Gargaphia obliqua Stål 1873, p. 124 [Brazil].—Drake and Hambleton 1934, p. 450 [*Serjania*].—Drake 1936b, p. 700 [Argentina].—Drake and Poor 1937d, p. 310, pl. 36, fig. 9.—Monte 1947a, p. 236.—Drake and Davis 1960, fig. 33.

Gargaphia stigma Monte 1946b, p. 284.

TYPE: Holotype ♂; Rio de Janeiro, Brazil; Stockholm Mus.

DISTRIBUTION: Brazil; Argentina.

HOST PLANT: *Serjania* sp.

**Gargaphia opacula* Uhler

Gargaphia opacula Uhler 1893b, p. 263 [Calif.]; 1894b, p. 278 [Magdalena].—Townsend 1894, p. 313 (N. Mex.; eggplant).—Van Duzee 1914, p. 11 [willow].—Gibson 1919b, pp. 189, 199 [Utah; Kans.; *Dahlia spinosa*; *Solanum melongena*].

TYPE: Holotype ♀, macropterous; Argus Mountains, California, U.S.; USNM.

DISTRIBUTION: U.S. (Calif.; N. Mex.; Utah; Kans.); Mexico (Magdalena Island).

HOST PLANTS: *Dahlia spinosa*; *Solanum melongena*; willow.

**Gargaphia opima* Drake

Gargaphia opima Drake 1931b, p. 513 [Peru].—Drake and Hambleton 1945, p. 365 [Colombia; *Canavalia ensiformis*].

Gargaphia inca Monte 1943, p. 105, fig. 1; 1947a, p. 232, fig.

TYPE: Holotype ♂, macropterous; Miriatiriani, Cam. del Pichis, Peru; Cornell Univ.

DISTRIBUTION: Peru; Colombia; Bolivia.

HOST PLANT: *Canavalia ensiformis*.

***Gargaphia oreades** Drake

Gargaphia oreades Drake 1928i, p. 75 [Argentina]; 1935, p. 20 [Brazil]; 1936b, p. 700.—Bosq 1937, p. 129 [*Solanum nigrum*; *Solanum capsicastrum*].—Monte 1938d, p. 388.

TYPE: Holotype ♂, macropterous; Buenos Aires, Argentina; Drake Coll. (USNM).

DISTRIBUTION: Argentina; Brazil.

HOST PLANTS: *Solanum capsicastrum*; *Solanum nigrum*.

***Gargaphia oregona** Drake and Hurd

Gargaphia oregona Drake and Hurd 1945b, p. 131 [Oreg.].

TYPE: Holotype ♂, macropterous; Corvallis, Oregon, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Oreg.).

HOST PLANT: Unrecorded.

Gargaphia panamensis Champion

Gargaphia panamensis Champion 1897, p. 10, pl. 1, figs. 14, 14a [Panama].—Gibson 1919b, pp. 190, 193.

TYPE: Sex unknown; Caldera, Chiriqui, Panama; British Mus.

DISTRIBUTION: Panama.

HOST PLANT: Unrecorded.

***Gargaphia paraguayensis** Drake and Poor

Gargaphia paraguayensis Drake and Poor 1940, p. 229 [Paraguay].

TYPE: Holotype ♂, macropterous; Horqueta, Paraguay; Drake Coll. (USNM).

DISTRIBUTION: Paraguay.

HOST PLANT: Unrecorded.

***Gargaphia patria** (Drake and Hambleton)

Leptopharsa patria Drake and Hambleton 1938a, p. 58 [Brazil; *Bathysa stipulata*].

Gargaphia patria: Drake 1942a, p. 1.—Silva 1956, p. 34 [*Sickingia tinctoria*].

TYPE: Holotype ♂, macropterous; São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANTS: *Bathysa stipulata*; *Sickingia tinctoria*.

***Gargaphia patricia** (Stål)

Monanthia (Phyllontochila) patricia Stål 1862, p. 324 [Mexico].

Monanthia (Gargaphia) patricia: Stål 1862, p. 324.

Monanthia patricia: Walker 1873a, p. 191.

Gargaphia patricia: Stål 1873, p. 125.—Champion 1897, p. 9, pl. 1, figs. 12, 12a [Panama; Guatemala].—Gibson 1919b, p. 196.—Drake 1926b, p. 377; 1936b, p. 700 [Argentina]; 1948h, p. 76.—Drake and

Poor 1937d, p. 309 [Colombia].—Monte 1940d, p. 104 [Venezuela; Euphorbiaceae]; 1941d, p. 98 [Costa Rica].

Gargaphia biolleyi Blöte 1945, p. 85 (nom. nud. of Montandon).

TYPE: Sex unknown; Mexico; Stockholm Mus.

DISTRIBUTION: Mexico; Costa Rica; Guatemala; Panama; Colombia; Venezuela; Argentina.

HOST PLANT: Euphorbiaceae.

**Gargaphia paula* Drake

Gargaphia paula Drake 1939f, p. 68 [Canal Zone].—Drake and Hambleton 1945, p. 366 [Peru].

TYPE: Holotype ♂, macropterous; Barro Colorado Island, Panama Canal Zone; Drake Coll. (USNM).

DISTRIBUTION: Panama (Canal Zone); Brazil; Peru.

HOST PLANT: Unrecorded.

**Gargaphia penningtoni* Drake

Gargaphia penningtoni Drake 1928i, p. 75 [Argentina]; 1935, p. 20 [Paraguay].—Drake and Hambleton 1934, p. 450 [*Sida acuta*; *Abutilum*; *Acalypha*].—Bosq 1937, p. 129.—Monte 1938d, p. 388 [*Cajanus indicus*; Brazil]; 1939b, p. 70 [*Sida*; *Phaseolus*]; 1940c, p. 193 [*Wissadula*; *Croton lobatus*].—Drake and Poor 1939b, p. 98.

Gargaphia subpilosa (not Berg): Monte 1943d, p. 264, fig. 2.

TYPE: Holotype ♂, macropterous; Buenos Aires, Argentina; Drake Coll. (USNM).

DISTRIBUTION: Argentina; Paraguay; Brazil.

HOST PLANTS: *Abutilum* sp.; *Acalypha* sp.; *Cajanus indicus*; *Croton lobatus*; *Phaseolus* sp.; *Sida acuta*; *Sida* sp.; *Wissadula* sp.

**Gargaphia schulzei* Drake

Gargaphia schulzei Drake 1954d, p. 76 [Paraguay].

TYPE: Holotype ♂, macropterous; Asuncion, Paraguay; Drake Coll. (USNM).

DISTRIBUTION: Paraguay.

HOST PLANT: Unrecorded.

**Gargaphia seorsa* Drake and Hambleton

Gargaphia seorsa Drake and Hambleton 1945, p. 365 [Peru].

TYPE: Holotype ♂, macropterous; Aguaytia, Peru; Drake Coll. (USNM).

DISTRIBUTION: Peru.

HOST PLANT: Unrecorded.

**Gargaphia serjaniae* Drake and Hambleton

Gargaphia serjaniae Drake and Hambleton 1938b, p. 57, pl. 10, fig. G [Brazil; *Serjania*].

TYPE: Holotype ♂, macropterous; Pedro Leopoldo, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Serjania* sp.

***Gargaphia shelfordi** Drake and Hambleton

Gargaphia shelfordi Drake and Hambleton 1944a, p. 95 [Mexico].

TYPE: Holotype ♂, macropterous; Victoria, Mexico; Drake Coll. (USNM).

DISTRIBUTION: Mexico.

HOST PLANT: Unrecorded.

***Gargaphia socorrana** Drake

Gargaphia socorrana Drake 1954d, p. 77 [Revilla Gigedo].

TYPE: Holotype ♂, macropterous; Socorro Island, Revilla Gigedo Islands, Mexico; Drake Coll. (USNM).

DISTRIBUTION: Mexico (Revilla Gigedo Islands).

HOST PLANT: Unrecorded.

***Gargaphia solani** Heidemann

Gargaphia solani Heidemann 1914, p. 136, fig. 1 [Mo.; Tex.; Okla.; Va.; *Solanum carolinense*; *Solanum elaeagnifolium*; eggplant; potato; coffee weed].—Fink 1915, p. 1, figs. 1, 2 [D.C.; Md.; *Cassia*].—Osborn and Drake 1916a, p. 235, fig. 7 [Ohio].—Somes 1916, p. 42.—Gibson 1919b, pp. 189, 192 [Ariz.; *Solanum tuberosum*; *Solanum melongena*; cotton; *Amphiachyris*; *Salvia pitcheri*].—Parshley 1923b, p. 704.—McAtee 1923, p. 147.—Blatchley 1926, p. 474 [N.C.].—Fenton 1934, p. 199 [S.C.; Mexico; *Salvia azurea*; hollyhock].—Froeschner 1944, p. 668.—Hurd 1946, p. 480 [Canada].—Bailey 1951, p. 43 [Conn.; *Lycopersicum esculentum*; *Gossypium herbaceum*].—Ash 1954, p. 185 [Ind.].

TYPE: Holotype ♀, macropterous; Lavaca County, Texas, U.S.; USNM.

DISTRIBUTION: U.S. (Conn.; N.J.; Pa.; Md.; D.C.; Va.; N.C.; S.C.; Ala.; Tenn.; Miss.; Mo.; Ark.; Ohio; Ind.; Ill.; Kans.; Iowa; Okla.; Tex.; Ariz.); Canada (B.C.); Mexico.

HOST PLANTS: *Amphiachyris* sp.; *Cassia* sp.; *Gossypium herbaceum*; *Lycopersicum esculentum*; *Salvia azurea*; *Salvia pitcheri*; *Solanum carolinense*; *Solanum elaeagnifolium*; *Solanum melongena*; *Solanum tuberosum*; *Solanum* sp.; hollyhock.

NOTE: Life history studies [Fink; Bailey]; predators [Fink; Bailey].

Gargaphia sororia Hussey

PLATE 50

Gargaphia sororia Hussey 1957, p. 175 [Fla.].

TYPE: Holotype ♂; Gadsden County, Florida, U.S.; Florida Univ.

DISTRIBUTION: U.S. (Fla.).

HOST PLANT: Unrecorded.

***Gargaphia subpilosa** Berg

Gargaphia subpilosa Berg 1879a, p. 42 [Argentina; *Mikania auricularis*]; 1879b, p. 136.—Pennington 1921, p. 20.—Drake 1931b, p. 512 [Brazil]; 1948j, p. 432.—Fenton 1934, p. 199 [Bolivia; cotton; peas].—Bosq 1937, p. 129 [*Helianthus annuus*; *Ipomoea bonariensis*; *Phaseolus vulgaris*; *Prunus cerasus*; *Prunus persica*; *Pyrus communis*; *Solanum tube-*

rosum].—Monte 1937a, p. 36 [*Wissadula*]; 1938d, p. 387; 1940f, pp. 301–306.—Drake and Poor 1938b, p. 109.

Gargaphia iridescens (not Champion): Bergroth 1922, p. 149.—Monte 1938d, p. 389 [*Ambrosia tenuifolia*].

Gargaphia bergi Monte 1940f, p. 306, fig. 1.

TYPE: Sex unknown; Argentina; La Plata Mus.

DISTRIBUTION: Argentina; Bolivia; Brazil.

HOST PLANTS: *Ambrosia tenuifolia*; *Gossypium* sp.; *Helianthus annuus*; *Ipomoea bonariensis*; *Mikania auricularis*; *Phaseolus vulgaris*; *Prunus cerasus*; *Prunus persica*; *Pyrus communis*; *Solanum tuberosum*; *Wissadula* sp.; peas.

**Gargaphia tiliae* (Walsh)

FIGURE 4a

Tingis tiliae Walsh 1864, p. 408 [basswood; cherry].—Walker 1873a, p. 180.

Gargaphia fasciata Stål 1873, p. 125 [Ill.].—Uhler 1886, p. 22 [Mexico].—Wirtner 1904, p. 202 [Pa.].—Gibson 1919b, p. 195 [Ala.].

Gargaphia tiliae: Uhler 1886, p. 22.—Provancher 1886, p. 159 [Canada].—Bergroth 1892, p. 264.—Van Duzee 1894, p. 181 [N.Y.]; 1912, p. 323.—Gillette and Baker 1895, p. 57 [Colo.].—Torre-Bucno 1910, p. 31.—Smith 1910, p. 149 [N.J.].—Osborn and Drake 1915a, p. 506 [Ohio]; 1916a, p. 234.—Parshley 1917b, p. 56 [N.H.; Conn.; Mass.]; 1922b, p. 11 [S. Dak.]; 1923b, p. 704.—Weiss 1919b, p. 165 [Va.; Kans.].—Gibson 1919b, pp. 189, 194 [N.C.; Md.; Tenn.; Mo.; Wis.]; *Tilia pubescens*; *Prunus serotina*].—Hussey 1922a, p. 22 [Mich.; *Tilia americana*].—Barber and Weiss 1922, p. 13.—Barber 1922a, p. 17.—Drake 1922b, p. 41; 1926b, p. 378; 1928b, p. 102.—McAttee 1923, p. 147.—Blatchley 1926, p. 473 [Ind.; *Cercis canadensis*; sycamore].—Felt 1933, p. 49.—Froeschner 1944, p. 668.—Hurd 1946, p. 480 [Fla.; Ont.; Nebr.].—Bailey 1951, p. 45 [Maine; Vt.; N.B.; Que.; Ariz.; *Tilia*]; 1959, p. 64.—Ash 1954, p. 185.

TYPE: Holotype ♂, macropterous; Rock Island [assumed Illinois], U.S.; USNM.

DISTRIBUTION: U.S. (Maine; Vt.; N.H.; Mass.; Conn.; N.Y.; Pa.; N.J.; Md; Va.; W. Va. N.C.; S.C.; Ga.; Fla.; Ala.; Miss.; Ky.; Tenn.; Mo.; Ohio; Ind.; Ill.; Mich.; Wis.; Nebr.; Kans.; Minn.; Iowa; S. Dak.; Colo.; Ariz.); Mexico; Canada (Ont.; N.B.; Que.).

HOST PLANTS: *Cercis canadensis*; *Prunus serotina*; *Tilia americana*; *Tilia pubescens*; *Tilia* sp.

NOTES: Life history studies [Weiss; Barber and Weiss; Bailey]; taken at light [McAttee].

There is no locality label on type specimen, only the label reading "Collection C. V. Reiley" and in his article Walsh gives only the following information "Very abundant near Rock Island and on the basswood."

***Gargaphia torresi** Costa Lima

Gargaphia torresi Costa Lima 1922, p. 112 [Brazil]; 1930, p. 84 [*Croton*; *Triumfetta*; *Ipomoea*]; 1936, p. 127.—Bondar 8, p. 244, figs. [*Phaseolus*].—Drake 1931b, p. 512 [cotton]; 1935, p. 20.—Drake and Hambleton 1934, p. 450 [maize; sweet potato].—Fenton 1934, p. 199 [Argentina].—Bosq 1937, p. 130.—Monte 1937a, p. 35, fig. 7; 1939b, p. 70 [Paraguay].—Fiuza 1946, pp. 338, 341 [*Phaseolus vulgaris*; *Phaseolus lunatus*].—Silva 1956, p. 34, fig. 11 [*Gossypium*; *Canavalia obtusifolia*; *Zinnia elegans*; *Hibiscus syriacus*].

TYPE: Sex unknown; Brazil; Ent. Agr. Brazil.

DISTRIBUTION: Brazil; Argentina; Paraguay; Bolivia.

HOST PLANTS: *Canavalia obtusifolia*; *Croton* sp.; *Gossypium* sp.; *Hibiscus syriacus*; *Ipomoea* sp.; *Phaseolus lunatus*; *Phaseolus vulgaris*; *Phaseolus* sp.; *Sida* sp.; *Triumfetta* sp.; *Zinnia elegans*; sweet potato; maize.

***Gargaphia trichoptera** Stål

Gargaphia trichoptera Stål 1873, p. 125 [Colombia].—Champion 1898b, p. 58, pl. 2, fig. 5.—Drake and Poor 1937d, p. 311.—Monte 1947b, p. 432 [Peru].

TYPE: Sex unknown; Bogota, Colombia; Stockholm Mus.

DISTRIBUTION: Colombia; Peru; Brazil.

HOST PLANT: Unrecorded.

***Gargaphia tuthilli** Drake and Carvalho

Gargaphia tuthilli Drake and Carvalho 1944, p. 42 [Colo.].

TYPE: Holotype ♂, macropterous; Mesa Verde, Colorado, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Colo.).

HOST PLANT: Unrecorded.

***Gargaphia valerioi** Drake

Gargaphia valerioi Drake 1941a, p. 144 [Costa Rica].

TYPE: Holotype ♂, macropterous; La Gloria, Costa Rica; USNM.

DISTRIBUTION: Costa Rica.

HOST PLANT: Unrecorded.

***Gargaphia vanduzeei** Gibson

Gargaphia vanduzeei Gibson 1919b, p. 198 [Costa Rica].—Hurd 1946, p. 480 [Cuba].

TYPE: Holotype ♂; Costa Rica; deposition of type unknown.

DISTRIBUTION: Costa Rica; Cuba.

HOST PLANT: Unrecorded.

NOTE: Type damaged [Gibson].

***Gargaphia venosa** Drake and Poor

Gargaphia venosa Drake and Poor 1942, p. 301 [Argentina].

TYPE: Holotype ♂; Resistencia, Chaco, Argentina; Argentina Mus.

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

Genus GITAVA Drake

Gitava Drake 1948e, p. 149.—Drake and Ruhoff 1960a, p. 59.

TYPE SPECIES: *Tigava ugandana* Drake.

***Gitava basilewskyi* Schouteden**

Gitava basilewskyi Schouteden 1953c, p. 130 [Congo].

TYPE: Sex unknown; Bondo Mabe, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Gitava benoiti* Schouteden**

Gitava benoiti Schouteden 1953c, p. 131 [Congo].

TYPE: Sex unknown; Basoko, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Gitava* ? *dispar* Schouteden**

Gitava ? *dispar* Schouteden 1957a, p. 88 [Malagasy].

TYPE: Sex unknown; Madagascar; Paris Mus.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Gitava fusca* Schouteden**

Gitava fusca Schouteden 1957a, p. 87 [Malagasy].

TYPE: Sex unknown; Madagascar; Paris Mus.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Gitava madagascariensis* Schouteden**

Gitava madagascariensis Schouteden 1957a, p. 86 [Malagasy].

TYPE: Sex unknown; Madagascar; Paris Mus.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Gitava petila* Drake**

Gitava petila Drake 1954g, p. 663, fig. 4 [Ethiopia].

TYPE: Sex unknown; Mulu, Ethiopia; British Mus.

DISTRIBUTION: Ethiopia.

HOST PLANT: Unrecorded.

****Gitava procera* Drake**

Gitava procera Drake 1958c, p. 321 [Malagasy].

TYPE: Holotype ♀; Ankazoabo, Hera, Madagascar; Madagascar Sci. Inst.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

**Gitava ugandana* (Drake)

Tigava ugandana Drake 1942a, p. 11 [Uganda].

Gitava uganda [sic]: Drake 1948e, p. 149.—Drake and Ruhoff 1960a, p. 59.

Gitava ugandana: Schouteden 1953c, p. 130 [Congo].—Drake 1956a, p. 5.

TYPE: Holotype ♂, macropterous; Uganda; Drake Coll. (USNM).

DISTRIBUTION: Uganda; Congo.

HOST PLANT: Unrecorded.

**Gitava ugandana* subsp. *pallens* Schouteden

Gitava ugandana subsp. *pallens* Schouteden 1953c, p. 130 [Congo].

TYPE: Sex unknown; Lubero, Kivu, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

Genus GYALOTINGIS Drake

Gyalotingis Drake 1960, p. 376.

TYPE SPECIES: *Gyalotingis gressitti* Drake.

**Gyalotingis gressitti* Drake

Gyalotingis gressitti Drake 1960, p. 377, fig. 26 [New Guinea].

TYPE: Holotype ♀; Wisselmeren, Enarotadi, Netherlands New Guinea; Bishop Mus.

DISTRIBUTION: New Guinea (Netherlands).

HOST PLANT: Unrecorded.

Genus GYMNOTINGIS Hacker

Gymnotingis Hacker 1928, p. 181.—Drake and Ruhoff 1960a, p. 59.

TYPE SPECIES: *Gymnotingis serrulata* Hacker.

Gymnotingis serrulata Hacker

Gymnotingis serrulata Hacker 1928, p. 182, pl. 23, fig. 14 [Queensland].

TYPE: Sex unknown; Cairns District, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

Genus HABROCHILA Horváth

Habrochila Horváth 1912a, p. 353.—Drake and Ruhoff 1960a, p. 59.

TYPE SPECIES: *Habrochila placida* Horváth.

**Habrochila africana* Drake

Habrochila africana Drake 1948e, p. 153 [Uganda; Kenya; Natal; Transvaal; Malagasy; *Lantana*].—Schouteden 1953a, p. 104 [Congo].

TYPE: Holotype ♂; Kampal, Uganda; British Mus.

DISTRIBUTION: Uganda; Kenya; Congo; South Africa (Natal; Transvaal); Malagasy Republic.

HOST PLANT: *Lantana* sp.

***Habrochila chinensis** Drake

Habrochila chinensis Drake 1947d, p. 231 [China; tea].

TYPE: Holotype ♀, macropterous; Meitonhssein, China; Drake Coll. (USNM).

DISTRIBUTION: China.

HOST PLANT: Tea (?).

***Habrochila clivosa** Drake

Habrochila clivosa Drake 1954b, p. 11 [Natal].

TYPE: Holotype ♂, brachypterous; Port Shepstone, Natal, South Africa; British Mus.

DISTRIBUTION: South Africa (Natal).

HOST PLANT: Unrecorded.

Habrochila darthula (Kirkaldy)

Galeatus darthula Kirkaldy 1902, p. 297 [Ceylon; *Barleria cristata*].—

Distant 1903b, p. 131, fig. 94 [*Barleria strigosa*].

Habrochila darthula: Drake and Ruhoff 1961c, p. 151 [India].

TYPE: Sex unknown; Peradeniya, Ceylon; British Mus.

DISTRIBUTION: Ceylon; India.

HOST PLANTS: *Barleria cristata*; *Barleria strigosa*.

***Habrochila ghesquierei** Schouteden

Habrochila ghesquierei Schouteden 1953a, p. 105 [Congo; Uganda;

Ruanda; coffee]; 1957c, p. 313.

TYPE: Unknown.

DISTRIBUTION: Congo; Uganda; Ruanda-Urundi.

HOST PLANT: Coffee.

Habrochila horvathi Schouteden

Habrochila horvathi Schouteden 1923, p. 92 [Congo]; 1953a, p. 105.

TYPE: Sex unknown; Watsa, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Habrochila iolana** Drake

Habrochila iolana Drake 1955a, p. 81 [Malagasy].

TYPE: Holotype ♂, macropterous; Perinet, Analamasotra Province, Madagascar; Drake Coll. (USNM).

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Habrochila laeta** Drake

Habrochila laeta Drake 1954b, p. 12 [India].

TYPE: Holotype ♂; Bangalore, Madras, India; British Mus.

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

***Habrochila monticola** Horváth

Habrochila monticola Horváth 1929, p. 319 [Natal].—Drake and Slater 1955, p. 49.—Drake 1961c, p. 129.

TYPE: Holotype ♀; Weenen, Natal, South Africa; British Mus.

DISTRIBUTION: South Africa (Natal).

HOST PLANT: Unrecorded.

***Habrochila natalana** Drake

Habrochila natalana Drake 1956f, p. 426 [Natal].

TYPE: Holotype ♂; Albert Falls, Umgeni River, E. of Pietermaritzberg, Natal, South Africa; Lund Zool. Inst.

DISTRIBUTION: South Africa (Natal).

HOST PLANT: Unrecorded.

***Habrochila placida** Horváth

Habrochila placida Horváth 1912a, p. 354 [Congo; cacao].—Schouteden 1923, p. 92; 1953a, p. 105 [Uganda].—Mayné and Ghesquière 1934, p. 20 [coffee].—Carayon 1960, p. 119.

TYPE: Sex unknown; Kondue, Kasai, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo; Uganda.

HOST PLANTS: Coffee; cacao.

Genus HAEDUS Distant

Haedus Distant 1904, p. 432.—Drake 1953b, p. 93.—Drake and Ruhoff 1960a, p. 59.

Hormisdas Distant 1910b, p. 59.—Drake and Ruhoff 1960a, p. 60.

TYPE SPECIES: *Haedus clypeatus* Distant.

***Haedus bellus** (Drake)

Hormisdas bella Drake 1948g, p. 176 [Sierra Leone].

Haedus bellus: Drake 1953b, p. 93.—Schouteden 1953c, p. 129 [Congo].

TYPE: Holotype ♀, macropterous; Makump, Sierra Leone; Drake Coll. (USNM).

DISTRIBUTION: Sierra Leone; Congo.

HOST PLANT: Unrecorded.

***Haedus burungus** Schouteden

Haedus burunga Schouteden 1953c, p. 128 [Congo].

TYPE: Sex unknown; Burunga, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Haedus clypeatus** Distant

Haedus clypeatus Distant 1904, p. 432, pl. 8, fig. 12 [Cape Province].

TYPE: Sex unknown; Wynberg, Cape Colony, South Africa; So. Afr. Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

Haedus decellei Schouteden

Haedus decellei Schouteden 1957b, p. 219 [Congo; *Croton*].

TYPE: Sex unknown; Yangambi, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: *Croton* sp.

***Haedus diversitas** (Drake) (emendation)

Harmidas [sic] *diversatis* Drake 1927d, p. 309 [Malagasy].

Haedus diversitatus [sic]: Drake 1953b, p. 93.

TYPE: Holotype ♀, macropterous; Madagascar; Drake Coll. (USNM).

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Haedus elongatus** (Drake)

Hormistes [sic] *elongata* Drake 1948g, p. 177 [Tanganyika].

Haedus elongatus: Drake 1953b, p. 93.

TYPE: Sex unknown; Arusha-Ju, Africa; Hungarian Mus.

DISTRIBUTION: Tanganyika; South Africa (Natal).

HOST PLANT: Unrecorded.

***Haedus javancus** Drake

Haedus javancus Drake 1953b, p. 94 [Java].

TYPE: Sex unknown; Bandoeng, Preonger, Java; British Mus.

DISTRIBUTION: Greater Sunda Islands (Java).

HOST PLANT: Unrecorded.

***Haedus lectus** (Drake)

Hormidas lectus Drake 1937a, p. 387, fig. 1c [India; "Elephantia"].

Haedus lectus: Drake 1953b, p. 93.

TYPE: Holotype ♂; Bombay, India; Vienna Mus.

DISTRIBUTION: India.

HOST PLANT: "Elephantia."

***Haedus oios** Drake and Ruhoff

Haedus oios Drake and Ruhoff 1962c, p. 139, fig. 2 [Southern Rhodesia].

TYPE: Holotype ♂, macropterous; Salisbury, Southern Rhodesia; Drake Coll. (USNM).

DISTRIBUTION: Southern Rhodesia.

HOST PLANT: Unrecorded.

***Haedus otiosus** Drake

Haedus otiosus Drake 1953d, p. 215 [Northern Rhodesia].

TYPE: Holotype ♀, macropterous; N'Dola, Northern Rhodesia; Drake Coll. (USNM).

DISTRIBUTION: Northern Rhodesia.

HOST PLANT: Unrecorded.

***Haedus pallens** Schouteden

Haedus bellus subsp. *pallens* Schouteden 1953c, p. 129 [Congo; *Annona chrysophylla*; *Annona muricata*].

Haedus pallens: Drake and Ruhoff 1962a, p. 156.

TYPE: Sex unknown; Ituri, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo; Kenya.

HOST PLANTS: *Annona chrysophylla*; *Annona muricata*.

***Haedus pictus** (Distant)

Hormisdas pictus Distant 1910b, p. 60, pl. 1, figs. 1 a, b [Luzon].—Drake and Poor 1937a, p. 16.

Haedus pictus: Drake 1953b, p. 93.

TYPE: Sex unknown; Manila, Philippine Islands; British Mus.

DISTRIBUTION: Philippine Islands (Luzon).

HOST PLANT: *Lantana* sp.

***Haedus polulus** Drake

Haedus polulus Drake 1953d, p. 216 [Senegal].

TYPE: Holotype ♂; Bambey, Senegal; British Mus.

DISTRIBUTION: Senegal.

HOST PLANT: Unrecorded.

***Haedus sidae** (Drake and Poor)

Hormisdas sidae Drake and Poor 1939c, p. 206 [*Sida*; Uganda].

Haedus sideus [sic]: Drake 1953b, p. 93; 1954e, p. 7 [Congo].

Haedus sidus [sic]: Drake 1956a, p. 5.

TYPE: Holotype ♂; Kampala, Uganda; British Mus.

DISTRIBUTION: Uganda; Congo.

HOST PLANT: *Sida* sp.

***Haedus vicarius** (Drake)

Hormisdas vicarius Drake 1927a, p. 56 [Luzon; Larat]; 1936a, p. 145 [India; *Urena lobata*]; 1938b, p. 197 [China]; 1948g, p. 176.—Drake and Poor 1937a, p. 16 [Negros]; 1937b, p. 403 [*Urena lobata sinuata*].

Haedus vicarius: Drake 1953b, p. 93.

TYPE: Holotype ♂, macropterous; Larat Island; Drake Coll. (USNM).

DISTRIBUTION: Tanimbar Islands (Larat); Philippine Islands (Luzon; Negros); China; India.

HOST PLANTS: *Urena lobata*; *Urena lobata sinuata*.

***Haedus villiersi** (Drake)

Haedus villiersi [sic] Drake 1953b, p. 93 (nom. nud.).

Hormisdas villiersi Drake 1954a, p. 236 [Ivory Coast].

TYPE: Holotype ♂; Bouaké, Ivory Coast; Inst. Fr. Afr. N.

DISTRIBUTION: Ivory Coast; Congo.

HOST PLANT: Unrecorded.

Genus *HEBETINGIS* Drake

Hebetingis Drake 1960a, p. 360.

TYPE SPECIES: *Hebetingis adeia* Drake.

Hebetingis adeia Drake

Hebetingis adeia Drake 1960, p. 360, fig. 13 [New Guinea].

TYPE: Holotype ♂; Asaro-Chimbu Divide, E. Highlands, Northeast New Guinea; Bishop Mus.

DISTRIBUTION: New Guinea (Northeast).

HOST PLANT: Unrecorded.

Genus *HEGESIDEMUS* Distant

Hegesidemus Distant 1911b, p. 270.—Drake and Ruhoff 1960a, p. 59.

TYPE SPECIES: *Hegesidemus elianus* Distant.

***Hegesidemus elegantulus** (Distant)

Teleonemia ? *elegantula* Distant 1909c, p. 167, pl. 10, figs. 3, 3a [Borneo].

Compseuta elegantula: Bergroth 1921, p. 105.—Drake 1948f, p. 202.

Hegesidemus elegantulus: Drake and Ruhoff 1961c, p. 145.

TYPE: Sex unknown; Kuching, Borneo; British Mus.

DISTRIBUTION: Greater Sunda Islands (Borneo).

HOST PLANT: Unrecorded.

***Hegesidemus elianus** Distant

Hegesidemus elianus Distant 1911b, p. 270 [Ceylon; *Strobilanthes*].

TYPE: Sex unknown; Nuwera Eliya, Ceylon; British Mus.

DISTRIBUTION: Ceylon.

HOST PLANT: *Strobilanthes* sp.

***Hegesidemus otiosus** Drake

PLATE 29

Hegesidemus otiosus Drake 1953d, p. 221 [India].

TYPE: Holotype ♂; Nilgiri Hills, India; British Mus.

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

***Hegesidemus pauliani** Drake

Hegesidemus pauliani Drake 1957c, p. 402 [Reunion].

TYPE: Holotype ♂; Bébou, Reunion; Madagascar Sci. Inst.

DISTRIBUTION: Mascarene Islands (Reunion).

HOST PLANT: Unrecorded.

Genus *HENRIKUS* Drake

Henrikus Drake 1955e, p. 280.—Drake and Ruhoff 1960a, p. 60.

TYPE SPECIES: *Henrikus schoutedeni* Drake.

***Henrikus schoutedeni** Drake

Henrikus schoutedeni Drake 1955e, p. 282, fig. 1 [Congo].

TYPE: Holotype ♂; Kmango, Kimbau, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

Genus HESPEROTINGIS Parshley

Hesperotingis Parshley 1917a, p. 21; 1923b, p. 707.—Van Duzee 1917b, p. 818.—Blatchley 1926, p. 493 (key).—Hurd 1946, p. 446.—Drake and Ruhoff 1960a, p. 60.

TYPE SPECIES: *Hesperotingis antennata* Parshley.

***Hesperotingis antennata** Parshley

Hesperotingis antennata Parshley 1917a, p. 21, fig. 2 [N.J.; N.Y.; Pa.; Conn.]; 1917b, p. 57; 1923b, p. 707.—Barber 1922a, p. 17; 1922b, p. 23.—Olsen 1923, p. 163.—McAtee 1923, p. 145 [D.C.].—Blatchley 1926, p. 493, fig. 118; 1928, p. 5 [Fla.].—Drake 1928b, p. 102.—Froeschner 1944, p. 670 [Mo.].—Torre-Bueno 1946, p. 94.—Bailey 1951, p. 22 [N.H.; Mass.; *Andropogon*].

TYPE: Holotype ♀, macropterous; Lakehurst, New Jersey, U.S.; USNM.

DISTRIBUTION: U.S. (N.H.; Mass.; Conn.; N.Y.; N.J.; Pa.; D.C.; Fla.; Mo.).

HOST PLANTS: *Andropogon* sp.; "beaten from Spanish moss hanging from limbs of *Quercus rubra*" [Blatchley 1928].

***Hesperotingis antennata** var. **borealis** Parshley

Hesperotingis antennata var. *borealis* Parshley 1917a, p. 24 [N.H.]; 1917b, p. 57.—Froeschner 1944, p. 670 [Mo.].—Hurd 1946, p. 447 [D.C.].—Bailey 1951, p. 22.

TYPE: Sex unknown; Hampton, New Hampshire, U.S.; MCZ.

DISTRIBUTION: U.S. (N.H.; Mo.; D.C.).

HOST PLANT: Unrecorded.

***Hesperotingis duryi** (Osborn and Drake)

Melanorhopala duryi Osborn and Drake 1916b, p. 15, fig. 3d [Tex.]; 1917a, p. 159, fig. 2; pl. 8, fig. e.—Parshley 1917a, p. 19.

Hesperotingis duryi: Hurd 1946, p. 447 [Fla.].

TYPE: Holotype ♀, brachypterous; Brownsville, Texas, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Tex.; Fla.).

HOST PLANT: Unrecorded.

***Hesperotingis duryi** var. **confusa** Drake

Hesperotingis duryi var. *confusa* Drake 1922b, p. 48 [Tex.].

TYPE: Holotype ♀, brachypterous; Marfa, Texas, U.S.; USNM.

DISTRIBUTION: U.S. (Tex.).

HOST PLANT: Unrecorded.

***Hesperotingis floridana** Drake*Hesperotingis floridana* Drake 1928f, p. 4 [Fla.].

TYPE: Holotype ♀, macropterous; Florida, U.S.; USNM.

DISTRIBUTION: U.S. (Fla.).

HOST PLANT: Unrecorded.

***Hesperotingis fuscata** Parshley*Hesperotingis fuscata* Parshley 1917a, p. 24 [Colo.].—Hurd 1946, p. 447 [Kans.].

TYPE: Holotype ♀, brachypterous; Golden, Colorado, U.S.; USNM.

DISTRIBUTION: U.S. (Colo.; Kans.).

HOST PLANT: Unrecorded.

***Hesperotingis illinoiensis** Drake*Hesperotingis illinoiensis* Drake 1918d, p. 88 [Ill.].—Blatchley 1926, p. 494.—Bailey 1951, p. 24 [Conn.].

TYPE: Holotype ♀, macropterous; Palos Park, Illinois, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Ill.; Ind.; Conn.).

HOST PLANT: Unrecorded.

***Hesperotingis mississippiensis** Drake*Hesperotingis mississippiensis* Drake 1928f, p. 4 [Miss.].

TYPE: Holotype ♂, brachypterous; Charleston, Mississippi, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Miss.; Fla.).

HOST PLANT: Unrecorded.

***Hesperotingis occidentalis** Drake*Hesperotingis occidentalis* Drake 1922b, p. 49 [Colo.].

TYPE: Holotype ♀, brachypterous; Colorado, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Colo.; Calif.; Idaho).

HOST PLANT: Unrecorded.

Genus HOLOPHYGDON Kirkaldy*Holophygdon* Kirkaldy 1908b, p. 364.—Drake and Poor 1937a, p. 18; 1939c, p. 207.—Drake and Ruhoff 1960a, p. 60.TYPE SPECIES: *Holophygdon melanesica* Kirkaldy.***Holophygdon melanesica** Kirkaldy

PLATE 49

Holophygdon melanesica Kirkaldy 1908b, p. 364, pl. 4, figs. 10, 11 [Fiji].—Drake and Poor 1943, p. 205 [Viti Levu].—Drake and Davis 1960, fig. 58.

TYPE: Holotype ♀; Fiji Islands; Hawaii. Sugar Plant. Assn.

DISTRIBUTION: Fiji Islands [Viti Levu].

HOST PLANT: Unrecorded.

***Holophygdon melanesica** var. *fusca* Drake and Poor

Holophygdon melanesica var. *fusca* Drake and Poor 1943, p. 205 [Viti Levu; Ovalau; *Raphidophora merrillii*].

TYPE: Holotype ♂; Wainiloka, Ovalau, Fiji Islands; Bishop Mus.

DISTRIBUTION: Fiji Islands (Viti Levu; Ovalau).

HOST PLANT: *Raphidophora merrillii*.

Genus HORVATHULA Schouteden

Horvathula Schouteden 1957c, p. 317.

TYPE SPECIES: *Sankisia uniseriata* Horváth.

***Horvathula uniseriata** (Horváth)

Sankisia uniseriata Horváth 1929, p. 319 [Nigeria; *Cordia millenii*].

Monanthia uniseriata: Drake 1954g, p. 658 [Ethiopia; *Cordia abyssinica*].

Horvathula uniseriata: Schouteden 1957c, p. 318 [Ruanda; *Cordia chrysocarpa*].

TYPE: Holotype ♂; Ibadan, Nigeria; British Mus.

DISTRIBUTION: Nigeria; Ruanda-Urundi; Ethiopia; Kenya; Congo; Uganda.

HOST PLANTS: *Cordia abyssinica*; *Cordia chrysocarpa*; *Cordia millenii*.

Genus HOVATLAS Schouteden

Hovatlas Schouteden 1957a, p. 85.—Drake and Ruhoff 1960a, p. 60.

TYPE SPECIES: *Hovatlas elegantulus* Schouteden.

Hovatlas elegantulus Schouteden

Hovatlas elegantulus Schouteden 1957a, p. 85 [Malagasy].

TYPE: Holotype ♀; Madagascar; Paris Mus.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

Genus HURDCHILA Drake

Hurdchila Drake 1953b, p. 92.—Drake and Ruhoff 1960a, p. 60.

TYPE SPECIES: *Jannaeus togularis* Drake and Poor.

***Hurdchila mira** (Drake and Poor)

Jannaeus mirus Drake and Poor 1936a, p. 442 [Hainan].—Drake 1937b, p. 387 [Ceylon].

Hurdchila mira: Drake 1953b, p. 93.

TYPE: Holotype ♂, macropterous; Ta Han, Hainan Island; Drake Coll. (USNM).

DISTRIBUTION: China (Hainan Island); Ceylon.

HOST PLANT: Unrecorded.

***Hurdchila togularis** (Drake and Poor)

Jannaecus togularis Drake and Poor 1936a, p. 441 [Hainan].

Hurdchila torgularis [sic]: Drake 1953b, p. 93.

TYPE: Holotype ♂, macropterous; Hainan Island, China; Drake Coll. (USNM).

DISTRIBUTION: China (Hainan Island).

HOST PLANT: Unrecorded.

Genus HYALOCHITON Horváth

Galeatus (Hyalochiton) Horváth 1905b, p. 566.

Hyalochiton: Horváth 1906a, pp. 13, 48 (key).—Oshanin 1908, p. 420; 1912, p. 43.—Stichel 1926, p. 109; 1935, p. 348; 1938a, p. 406; 1960a, p. 293; 1960b, p. 393; 1960c, p. 132.—Gulde 1938, pp. 243, 270.—Kiritshenko 1951, pp. 241, 246.—Drake and Ruhoff 1960a, p. 60.

TYPE SPECIES: *Galeatus komaroffii* Jakovlev.

***Hyalochiton colpochilus** (Horváth)

PLATE 43

Galeatus colpochilus Horváth 1897b, pp. 456, 459 [Spain].

Hyalochiton colpochilus: Horváth 1906a, p. 49.—Lindberg 1932a, p. 41 [Morocco].—Stichel 1938a, p. 406 [France]; 1960a, p. 293 [Greece; *Phlomis lynchitis*].—Wagner 1958, p. 240 [*Betonica officinalis*].

TYPE: Sex unknown; Ciudad Real, Spain; Hungarian Mus.

DISTRIBUTION: Spain; France; Morocco.

HOST PLANTS: *Betonica officinalis*; *Phlomis lynchitis*.

Hyalochiton colpochilus var. **consimilis** (Horváth)

Galeatus consimilis Horváth 1905a, p. 273 [Spain].

Hyalochiton colpochilus var. *consimilis*: Horváth 1906a, p. 49.

Hyalochiton syrmiensis var. *consimilis*: Vidal 1937, p. 197 [Morocco].

TYPE: Sex unknown; Spain; Hungarian Mus.

DISTRIBUTION: Spain; Morocco.

HOST PLANT: Unrecorded.

***Hyalochiton komaroffii** (Jakovlev)

Galeatus komaroffii Jakovlev 1880a, pp. 130, 133 [Caucasus].—Horváth 1897b, pp. 456, 458 [Hungary; Austria].

Galeatus komaroffii [sic]: Jakovlev 1880b, p. 102.

Galeatus debilis Montandon 1887, p. 65 [Yugoslavia; *Teucrium*].

Galeatus (Hyalochiton) komaroffii: Horváth 1905b, p. 56.

Hyalochiton komaroffii: Horváth 1906a, p. 49 [France].—Gulde 1938, p. 271, fig.—Stichel 1938a, p. 406 [Turkey]; 1960a, p. 293.—Drake and Ruhoff 1962d, p. 489.

Hyalochiton algiricus Lindberg 1936a, p. 83, fig. 2 [Morocco].

Hyalochiton komarovii [sic]: Kiritshenko 1951, p. 246.—Gomez-Menor 1955b, p. 249 [Spain].

TYPE: Holotype ♂, brachypterous; Derbent, Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R. (Caucasus); Yugoslavia; Hungary; Austria; France; Spain; Turkey; Morocco.

HOST PLANT: *Teucrium* sp.

**Hyalochiton multiseriatus* (Reuter)

Galeatus [sic] *multiseriatus* Reuter 1888, p. 225 [Greece]; 1891a, p. 26.

Galeatus multiseriatus: Horváth 1897b, pp. 456, 459.

Hyalochiton multiseriatus: Horváth 1906a, p. 49.—Stichel 1960a, p. 294 [Turkey; Iraq; Syria; *Phlomis*].

TYPE: Sex unknown; Attica, Greece; Helsin. Mus.

DISTRIBUTION: Greece; Turkey; Iraq; Syria.

HOST PLANT: *Phlomis* sp.

**Hyalochiton strumosus* (Horváth)

Galeatus strumosus Horváth 1902a, p. 594 [Turkey].

Hyalochiton strumosus: Horváth 1906a, p. 49.—Seidenstücker 1954, p. 235.—Hoberlandt 1955, p. 87.—Stichel 1960a, p. 294 [Syria].

TYPE: Sex unknown; Ak-Chehir, Anatolia, Turkey; Hungarian Mus.

DISTRIBUTION: Turkey; Syria.

HOST PLANT: Unrecorded.

Hyalochiton syrmienensis (Horváth)

Galeatus syrmienensis Horváth 1897a, p. 88 [Hungary]; 1897b, pp. 456, 458.

Hyalochiton syrmienensis: Horváth 1906a, p. 49.—Vidal 1937, p. 197 [Morocco].—González 1948, p. 50 [Spain].—Stichel 1960a, p. 293.

TYPE: Holotype ♂; Hungary; Hungarian Mus.

DISTRIBUTION: Hungary; Spain; Morocco.

HOST PLANT: Unrecorded.

Genus **HYBOPHARSA** Hurd

Hybopharsa Hurd 1946, p. 467.—Drake and Ruhoff 1960a, p. 61.

TYPE SPECIES: *Leptostyla colubra* Van Duzee.

**Hybopharsa colubra* (Van Duzee)

Leptostyla colubra Van Duzee 1907, p. 19 [Jamaica].

Gelchossa colubra: Drake and Bruner 1924a, p. 149; 1924b, p. 155 [Cuba; *Eugenia rhombea*].—Gowdey 1926, p. 35.

Leptopharsa colubra: Bruner, Scaramuzza and Otero 1945, p. 74.

Hybopharsa colubra: Hurd 1946, p. 468 [pimento].

TYPE: Sex unknown; Jamaica; Cal. Acad.

DISTRIBUTION: Jamaica; Cuba.

HOST PLANTS: *Eugenia rhombea*; *Pimenta pimenta*.

Genus **HYSIPYRGIAS** Kirkaldy

Hypsipyrgias Kirkaldy 1908a, p. 779.—Drake and Ruhoff 1960a, p. 61.

TYPE SPECIES: *Hypsipyrgias telamonides* Kirkaldy.

***Hypsipyrgias euphues** Drake and Ruhoff

Hypsipyrgias euphues Drake and Ruhoff 1962b, p. 251 [Lord Howe].

TYPE: Holotype ♂, macropterous; Lord Howe Island; So. Austr. Mus.

DISTRIBUTION: Australia (Lord Howe Island).

HOST PLANT: Unrecorded.

***Hypsipyrgias telamonides** Kirkaldy

Hypsipyrgias telamonides Kirkaldy 1908a, p. 779, pl. 43, figs. 4, 5 [Queensland].—Hacker 1927, p. 25; 1928a, p. 179.—Drake and Ruhoff 1962b, p. 250.

TYPE: Holotype ♀; Kuranda, Queensland, Australia; Hawaii. Sugar Plant. Assn.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

NOTE: Type specimen bears: type label, identification label in Kirkaldy's handwriting, and printed locality label for "Cairns District." Kuranda is a small waystation about 15 miles from Cairns, the latter label probably used for convenience.

Genus **HYSOTINGIS** Drake

Hypsotingis Drake 1960, p. 362.

TYPE SPECIES: *Hypsotingis columna* Drake.

Hypsotingis columna Drake

Hypsotingis columna Drake 1960, p. 363, fig. 15 [New Guinea].

TYPE: Holotype ♀; Urapura, Kamo Valley, Wisselmeren, Netherlands New Guinea; Bishop Mus.

DISTRIBUTION: New Guinea (Netherlands).

HOST PLANT: Unrecorded.

Genus **IDIOCYSTA** China

Idiocysta China 1930, p. 141.—Drake and Ruhoff 1960a, p. 61.

TYPE SPECIES: *Idiocysta hackeri* China.

Idiocysta bicolor Drake and Poor

Idiocysta bicolor Drake and Poor 1943, p. 199, fig. 4 [Viti Levu].

TYPE: Holotype ♀; Nandarivatu, Viti Levu, Fiji Islands; Bishop Mus.

DISTRIBUTION: Fiji Islands (Viti Levu).

HOST PLANT: Unrecorded.

***Idiocysta dryadis** Drake and Poor

Idiocysta dryadis Drake and Poor 1943, p. 200, fig. 5 [Viti Levu].

TYPE: Holotype ♀; Nandarivatu, Viti Levu, Fiji Islands; Bishop Mus.

DISTRIBUTION: Fiji Islands (Viti Levu).

HOST PLANT: Unrecorded.

***Idiocysta fijiana** Drake and Poor

Idiocysta fijiana Drake and Poor 1943, p. 198 [Viti Levu].

TYPE: Holotype ♂; Mt. Victoria, Tholo North, Viti Levu, Fiji Islands; Bishop Mus.

DISTRIBUTION: Fiji Islands (Viti Levu).

HOST PLANT: Unrecorded.

***Idiocysta floris** Drake and Poor

Idiocysta floris Drake and Poor 1943, p. 198 [Viti Levu].

TYPE: Holotype ♀; Nandarivatu, Viti Levu, Fiji Islands; Bishop Mus.

DISTRIBUTION: Fiji Islands (Viti Levu).

HOST PLANT: Unrecorded.

Idiocysta hackeri China

Idiocysta hackeri China 1930, p. 142, fig. 22 [Upolu].

TYPE: Sex unknown; Malololelei, Upolu, Samoa Islands; British Mus.

DISTRIBUTION: Territory Western Samoa Islands (Upolu).

HOST PLANT: Unrecorded.

Genus IDIOSTYLA Drake

Idiostyla Drake 1945, p. 97.—Drake and Ruhoff 1960a, p. 61.

TYPE SPECIES: *Tigava anonae* Drake and Hambleton.

***Idiostyla anonae** (Drake and Hambleton)

Tigava anonae Drake and Hambleton 1938a, p. 45 [Brazil; *Annona coriacea*].—Monte 1941e, p. 143.

Idiostyla anomae [sic]: Drake 1945, p. 98.

TYPE: Holotype ♂, macropterous; Cerqueira Cesar, São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Annona coriacea*.

***Idiostyla rollinae** (Drake and Hambleton)

Tigava rollinae Drake and Hambleton 1934, p. 441 [Brazil; *Rollinia silvatica*].—Monte 1939b, p. 81; 1941e, p. 145.

Idiostyla rollinae [sic]: Drake 1945, p. 98.—Drake and Davis 1960, fig. 46.

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Rollinia silvatica*.

Genus ILDEFONSUS Distant

Ildefonsus Distant 1910a, p. 110.—Drake and Ruhoff 1960a, p. 61.

TYPE SPECIES: *Ildefonsus provorsus* Distant.

****Ildefonsus nexus* Drake and Ruhoff**

Ildefonsus nexus Drake and Ruhoff 1961b, p. 180 [Burma].

TYPE: Holotype ♀, macropterous; Kambaiti, Burma; Drake Coll. (USNM).

DISTRIBUTION: Burma.

HOST PLANT: Unrecorded.

****Ildefonsus provorsus* Distant**

Ildefonsus provorsus Distant 1910a, p. 110, fig. 54 [India].

TYPE: Sex unknown; E. Himalayas, Ghoom, India; British Mus.

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

Genus INOMA Hacker

Inoma Hacker 1927, p. 25.—Drake and Ruhoff 1960a, p. 62.

TYPE SPECIES: *Inoma multispinosa* Hacker.

****Inoma angusta* Drake**

Inoma angusta Drake 1942a, p. 16 [New South Wales].

TYPE: Holotype ♂, macropterous; Dorrizo, New South Wales, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (New South Wales).

HOST PLANT: Unrecorded.

****Inoma multispinosa* Hacker**

PLATE 42

Inoma multispinosa Hacker 1927, p. 25, pl. 9, fig. 12 [Queensland].

TYPE: Sex unknown; Sunnybank, Queensland, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

Genus INONEMIA Drake

Inonemia Drake 1942b, p. 361.—Drake and Ruhoff 1960a, p. 62.

TYPE SPECIES: *Inonemia mussiva* Drake.

****Inonemia mussiva* Drake**

Inonemia mussiva Drake 1942b, p. 362 [Queensland].

TYPE: Holotype ♂, macropterous; Roma, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Inonemia mussiva** subsp. **brevis** Drake

Inonemia mussiva subsp. *brevis* Drake 1942b, p. 362 [Queensland].

TYPE: Holotype ♀, macropterous; Roma, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

Genus ISCHNOTINGIS Horváth

Ischnotingis Horváth 1925a, p. 7.—Drake and Ruhoff 1960a, p. 62.

TYPE SPECIES: *Ischnotingis prolixa* Horváth.

***Ischnotingis fasciata** Horváth

Ischnotingis fasciata Horváth 1925a, p. 9, fig. 5 [Western Australia].

TYPE: Sex unknown; Geraldton, Australia occidentalis; Stockholm Mus.

DISTRIBUTION: Australia (Western Australia; New South Wales).

HOST PLANT: Unrecorded.

***Ischnotingis horvathi** Drake

Ischnotingis horvathi Drake 1954c, p. 69 [New South Wales]; 1961b, p. 112.

TYPE: Holotype ♂; Mt. Victoria, New South Wales, Australia; Hungarian Mus.

DISTRIBUTION: Australia (New South Wales).

HOST PLANT: Unrecorded.

***Ischnotingis prolixa** Horváth

Ischnotingis prolixa Horváth 1925a, p. 8, fig. 4 [Western Australia].—

Drake and Ruhoff 1962a, p. 156.

Ischnotingis yanchevana Drake 1953d, p. 215.

TYPE: Holotype ♀; Fremantle, Australia occidentalis; Stockholm Mus.

DISTRIBUTION: Australia (Western Australia).

HOST PLANT: Unrecorded.

Genus KAPIRIELLA Schouteden

Kapiriella Schouteden 1919, p. 138.—Drake 1953b, p. 93; 1957b, pp. 205–218 (key).—Drake and Ruhoff 1960a, p. 62.

Lembella Schouteden 1919, p. 141.—Drake and Ruhoff 1960a, p. 63.

TYPE SPECIES: *Kapiriella leplaei* Schouteden.

***Kapiriella conradi** Drake

Kapiriella conradi Drake 1957b, p. 215 [Tanganyika].

Cystoechila conradi: Schouteden 1957c, p. 316 [Ruanda].

TYPE: Holotype ♂; Victoria-Nyanza, Ukerewe Island, Tanganyika; Cent. Afr. Mus.

DISTRIBUTION: Tanganyika; Ruanda-Urundi.

HOST PLANT: Unrecorded.

***Kapiriella denigrata** Drake

Kapiriella denigrata Drake 1956a, p. 5, fig. 1 [Congo]; 1957b, p. 217.

TYPE: Holotype ♂; Ngoma, Nord du lac Kivu, Belgian Congo; Parcs Nat. Inst.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Kapiriella desaegeri** Drake

Kapiriella desaegeri Drake 1957b, p. 216 [Congo].

TYPE: Holotype ♂; National Garamba Park, Belgian Congo; Parcs Nat. Inst.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Kapiriella leplaei** Schouteden

Kapiriella leplaei Schouteden 1919, p. 139 [Congo]; 1923, p. 107.—

Drake 1953b, p. 93; 1954c, p. 8; 1957b, p. 212.

TYPE: Sex unknown; Kapiiri, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Kapiriella maynei** (Schouteden)

Lembella maynei Schouteden 1919, p. 142 [Congo]; 1923, p. 110.

Lembella maculigera Horváth 1929, p. 325 [Uganda].

Kapiriella maynei: Drake 1953b, p. 93; 1955b, p. 87 [Angola]; 1957b, p. 209, fig. 1b [Cameroons].

TYPE: Sex unknown; Congo da Lemba, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo; Cameroons; Uganda; Angola.

HOST PLANT: Unrecorded.

***Kapiriella natalana** Drake

Kapiriella natalana Drake 1956f, p. 423 [Natal]; 1957b, p. 214.

TYPE: Holotype ♂; Malvern, Natal, South Africa; British Mus.

DISTRIBUTION: South Africa (Natal).

HOST PLANT: Unrecorded.

***Kapiriella polita** (Drake)

Lembella polita Drake 1948e, p. 150 [Sudan]; 1953b, p. 93 (in part).

Lambella [sic] *polita*: Drake 1948h, p. 76.

Lembella iturica Schouteden 1954, p. 141 [Congo].

Kapiriella polita: Drake 1957b, p. 210 [Senegal; Uganda; millet].

TYPE: Holotype ♂, macropterous; Kavluh, Sudan; Drake Coll. (USNM).

DISTRIBUTION: Sudan; Uganda; Congo; Senegal.

HOST PLANT: Millet.

***Kapiriella saetula** Drake

Kapiriella saetula Drake 1957b, p. 214, fig. 1a [Congo].

TYPE: Holotype ♂; Kaziba, P.N.U., Belgian Congo; Parcs Nat. Inst.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Kapiriella schoutedeni** Drake

Kapiriella schoutedeni Drake 1957b, p. 213, fig. 1d [Malagasy].

TYPE: Holotype ♂; Madagascar; Cent. Afr. Mus.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Kapiriella wechinai** Drake

Kapiriella wechinai Drake 1957b, p. 211, fig. 1c [Northern Rhodesia; Congo; Kenya; Tanganyika].

TYPE: Holotype ♂; Lake Bangweulu, N'Chiti Island, Northern Rhodesia; British Mus.

DISTRIBUTION: Northern Rhodesia; Congo; Kenya; Tanganyika.

HOST PLANT: Unrecorded.

Genus LAROTINGIS Drake

Larotingis Drake 1960, p. 357.

TYPE SPECIES: *Larotingis aporia* Drake.

Larotingis aporia Drake

Larotingis aporia Drake 1960, p. 357, fig. 11 [New Guinea].

TYPE: Holotype ♂; Wisselmeren, Okaitadi, Netherlands New Guinea; Bishop Mus.

DISTRIBUTION: New Guinea (Netherlands).

HOST PLANT: Unrecorded.

***Larotingis etes** Drake and Ruhoff

Larotingis etes Drake and Ruhoff 1961b, p. 165 [Mindanao].

TYPE: Holotype ♀, macropterous; Surigao, Mindanao, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Mindanao).

HOST PLANT: Unrecorded.

Genus LASIACANTHA Stål

Tingis (*Lasiacantha*) Stål 1873, p. 130.

Lasiacantha: Stål 1874, p. 56.—Lethierry and Severin 1896, p. 18.—

Horváth 1906a, pp. 14, 59 (key).—Muzik 1907, pp. 50, 57.—Oshanin 1908, p. 427; 1912, p. 44.—Stichel 1926, pp. 104, 109 (key); 1935, p. 349; 1938a, p. 406; 1960a, p. 306; 1960b, p. 395; 1960c, p. 134.—Hacker 1929, p. 334.—Börner 1935, pp. 74, 76.—Gulde 1938, pp. 244, 283 (key).—China 1943, p. 246.—Kiritshenko 1951, pp.

242, 248 (key).—Singer 1952, p. 51.—Drake 1953b, p. 92.—Drake and Ruhoff 1960a, p. 63.

Monanthia (Lasiacantha): Puton 1886b, p. 33.

Jannaeus Distant 1909a, p. 118; 1910a, p. 117.—Drake and Ruhoff 1960a, p. 62.

Myrmecotingis Hacker 1928, p. 182.—Drake and Ruhoff 1960a, p. 69.

TYPE SPECIES: *Tingis (Lasiacantha) hedenborgii* Stål.

**Lasiacantha absimilis* Drake

Lasiacantha absimilis Drake 1951, p. 177 [Ethiopia]; 1954a, p. 232 [Niger].

TYPE: Holotype ♂; Bubassa, Abyssinia; Hungarian Mus.

DISTRIBUTION: Ethiopia; Niger; Sudan.

HOST PLANT: Unrecorded.

**Lasiacantha altimitrata* (Takeya)

Jannaeus altimitratus Takeya 1933, p. 35, pl. 3, fig. 3; text fig. 3 [Taiwan]; 1951a, p. 15.—Drake and Maa 1953, p. 88 [China; Labiatae].

Lasiacantha altimitratus: Drake 1953b, p. 92.

TYPE: Holotype ♂; Taihoku, Formosa; Kyushu Univ.

DISTRIBUTION: Taiwan; China; India.

HOST PLANT: Labiatae.

**Lasiacantha capucina* (Germar)

Acanthia cardui (not Linnaeus): Schellenberg 1800, p. 21, pl. 6, fig. 2.

Tingis capucina Germar 1836, fasc. 18, tab. 24 [Germany].

Monanthia (Phyllontocheila) setulosa Fieber 1844, p. 68, pl. 5, figs. 34–36 [Czechoslovakia; *Thymus serpyllus*].—Herrich-Schaeffer 1850, p. 154.

Campolsteira (Derephysia) setulosa var. *gracilis* (not Herrich-Schaeffer): Kolenati 1856, p. 431 [Caucasus; *Thymus montanus*].

Monanthia (Phyllontocheila) gracilis: Flor 1860, p. 343 [Austria; France; Estonia; Latvia].

Monanthia setulosa: Fieber 1861, p. 122.—Frey-Gessner 1865, p. 231 [Switzerland].—Garbiglietti 1869, p. 272 [Italy].—Jakovlev 1869, p. 111; 1880b, p. 106.—Horváth 1874b, p. 432 [Hungary].—Puton 1874a, p. 226.—Reiber and Puton 1876, p. 69.—Ferrari 1878, p. 66.

Lasiacantha setulosa: Stål 1874, p. 56.

Monanthia capucina: Puton 1879c, p. 113.—d'Antessanty 1890, p. 32.—Hüeber 1893, p. 337.—Rey 1893, p. 97.

Monanthia (Lasiacantha) capucina: Puton 1886b, p. 33.

Lasiacantha capucina: Lethierry and Severin 1896, p. 18.—Horváth 1906a, p. 60 [Rumania; Yugoslavia].—Butler 1923, p. 208 [England].—Stichel 1926, p. 109 [*Ajuga*; *Galium*; *Hieracium*]; 1960a, p. 307 [Poland; Bulgaria].—Scholte 1935, p. 76, fig. 18 [Netherlands].—Gulde 1938, p. 285, fig.—Hoberlandt 1942, p. 125 [Transcaucasus].—Blöte 1945, p. 87 [Tunisia].—Kiritshenko 1951, p. 248.—Novak and Wagner 1951, p. 70.—Bator 1953, p. 325, pl. 2, fig. 6.—Gomez-

Menor 1955b, p. 249 [Spain].—Štušák 1957a, p. 20, figs. 1–3; 1957b, pp. 137, 139, figs. 6, 10a, 11b; 1961a, p. 77, fig. 5e.—Southwood and Leston 1959, p. 147, pl. 21, fig. 10.—Mancini 1959, p. 260.

Phyllontocheila capucina: Reichensperger 1920, p. 62.

TYPE: "Saxonia"; sex and deposition of type unknown.

DISTRIBUTION: England; Netherlands; France; Spain; Germany; Switzerland; Czechoslovakia; Poland; Hungary; Austria; Italy; Yugoslavia; Bulgaria; Rumania; U.S.S.R. (Estonia; Latvia; Caucasus; Transcaucasus); Tunisia.

HOST PLANTS: *Ajuga* sp.; *Galium* sp.; *Hieracium* sp.; *Thymus montanus*; *Thymus serpyllus*; moss.

NOTE: Study of eggs and immature stages [Štušák 1957a, 1957b, 1961a].

**Lasiacantha comans* Drake (emendation)

Lasiacantha [sic] *comantis* Drake 1953d, p. 220 [Senegal].

TYPE: Holotype ♂; Bambey, Senegal; British Mus.

DISTRIBUTION: Senegal.

HOST PLANT: Unrecorded.

**Lasiacantha compta* (Drake)

Furcilliger comptus Drake 1942b, p. 363 [Queensland; *Gmelina leichardtii*].

Lasiacantha comptus: Drake and Ruhoff 1961c, p. 145.

TYPE: Holotype ♂, macropterous; Imbil, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: *Gmelina leichardtii*.

**Lasiacantha crassicornis* Horváth

Lasiacantha crassicornis Horváth 1929, p. 320 [Natal].

TYPE: Holotype ♀; Weenen, Natal, South Africa; British Mus.

DISTRIBUTION: South Africa (Natal).

HOST PLANT: Unrecorded.

**Lasiacantha cuneata* (Distant)

Jannaeus cuneatus Distant 1909a, p. 118 [India]; 1910a, p. 118, fig. 60.—Drake and Poor 1936b, p. 146.—Drake 1937a, p. 387 [Ceylon].—Singh 1953, p. 118.

Lasiacantha cuneatus [sic]: Drake 1953b, p. 92.

TYPE: Sex unknown; North Bengal, India; British Mus.

DISTRIBUTION: India; Ceylon; China.

HOST PLANT: Unrecorded.

**Lasiacantha discors* Drake (emendation)

Lasiacantha discordis Drake 1955a, p. 80 [Western Australia].

TYPE: Holotype ♀, macropterous; Kalgoorlie, Western Australia, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Western Australia).

HOST PLANT: Unrecorded.

***Lasiacantha gambiana** Drake

Lasiacantha gambiana Drake 1954b, p. 11 [Gambia].

TYPE: Holotype ♂, brachypterous; Bathurst, Gambia, West Africa; Drake Coll. (USNM).

DISTRIBUTION: Gambia.

HOST PLANT: Unrecorded.

***Lasiacantha gracilis** (Herrich-Schaeffer)

Tingis gracilis Herrich-Schaeffer 1830, heft 118, tab. 20 [Germany]; 1835, p. 58.—Horváth 1905b, p. 569.

Derephysia gracilis: Herrich-Schaeffer 1838, p. 72, pl. 128, figs. d-h.

Monanthia (*Phyllontocheila*) *setulosa* var. *gracilis*: Fieber 1844, p. 69, pl. 5, figs. 37, 38 [Austria].

Campylosteira (*Derephysia*) *setulosa* var. *capucina* (not Germar): Kolenati 1856, p. 431.

Monanthia setulosa var. *gracilis*: Fieber 1861, p. 122.—Frey-Gessner 1865, p. 231 [Switzerland].

Monanthia piligera Garbiglietti 1869, p. 273 [Italy].

Monanthia cucullifera Puton 1888, p. 105.

Lasiacantha cucullifera: Lethierry and Severin 1896, p. 19.

Lasiacantha gracilis: Horváth 1906a, pp. 59, 60 [Hungary; Caucasus].—Stichel 1938a, p. 406 [France; Poland]; 1960a, p. 306 [Turkey; Bulgaria; *Satureja montana*; *Thymus*].—Hoberlandt 1942, p. 125 [Czechoslovakia; Transcaucasus]; 1943, p. 118.—Kiritshenko 1951, p. 248.—Wagner 1958, p. 240.

Lasiacantha cracilis [sic]: Stichel 1935, p. 349.

TYPE: Regensburg, Germany; sex and deposition of type unknown.

DISTRIBUTION: Germany; France; Austria; Hungary; Czechoslovakia; Switzerland; Italy; Poland; Bulgaria; Turkey; U.S.S.R. (Caucasus; Transcaucasus).

HOST PLANTS: *Satureja montana*; *Thymus* sp.

***Lasiacantha hedenborgii** (Stål)

Tingis (*Lasiacantha*) *hedenborgii* Stål 1873, p. 130 [Cyprus].

Lasiacantha hedenborgii: Stål 1874, p. 56.—Horváth 1906a, p. 60 [Israel].—Seidenstücker 1954, p. 235 [Turkey].—Hoberlandt 1955, p. 88.

Monanthia hedenborgi [sic]: Puton 1881, p. 123 [Lebanon].

Monanthia (*Lasiacantha*) *hedenborgi* [sic]: Puton 1886b, p. 33.

TYPE: Holotype ♀; Cyprus; Stockholm Mus.

DISTRIBUTION: Cyprus; Lebanon; Israel; Turkey.

HOST PLANT: Unrecorded.

***Lasiacantha histricula** (Puton)

Monanthia (Lasiacantha) histricula Puton 1878, p. lxxvii [Spain]; 1886b, p. 33.

Monanthia histricula: Puton 1880, p. 243 [France].

Lasiacantha histricula: Lethierry and Severin 1896, p. 19.—Horváth 1906a, p. 61.—González 1948, p. 50.—Gomez-Menor 1955b, p. 249.

TYPE: Sex unknown; Madrid, Spain; Vienna Mus.

DISTRIBUTION: Spain; France.

HOST PLANT: Unrecorded.

***Lasiacantha horvathi** Drake

Lasiacantha horvathi Drake 1951, p. 176 [Tanganyika].

TYPE: Holotype ♀; Meschi, Africa Orientalis; Hungarian Mus.

DISTRIBUTION: Tanganyika; Sudan; South Africa (Cape Province).

HOST PLANT: Unrecorded.

Lasiacantha insularis Schouteden

Lasiacantha insularis Schouteden 1957a, p. 84 [Malagasy].

TYPE: Sex unknown; Tananarive, Madagascar; Paris Mus.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Lasiacantha kin** Schouteden

Lasiacantha kin Schouteden 1955a, p. 28 [Congo].

TYPE: Sex unknown; Kinchassa, Bas-Congo, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

Lasiacantha leai (Hacker)

Myrmecotingis leai Hacker 1928, p. 182, pl. 23. fig. 15 [Western Australia].

Lasiacantha leai: Hacker 1929, p. 334.

TYPE: Sex unknown; Swan River, Western Australia, Australia; Queensland Mus.

DISTRIBUTION: Australia (Western Australia).

HOST PLANT: Unrecorded.

NOTE: Inquiline, "originally carded with specimens of the Dolichoderine ant *Iridomyrmex conifer* Forel" [Hacker 1928].

***Lasiacantha merita** Drake

Lasiacantha merita Drake 1958c, p. 322 [Malagasy].

TYPE: Sex unknown; Tuléar, Anakao du Bas, Madagascar; Madagascar Sci. Inst.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

Lasiacantha odontostoma (Stål)

Tingis (*Lasiacantha*) *odontostoma* Stål 1873, p. 130 [Sierra Leone].

Lasiacantha odontostoma: Lethierry and Severin 1896, p. 19 [Guinea].

Lasiacantha odontosoma [sic]: Distant 1902a, p. 242, pl. 15, fig. 6.

TYPE: Holotype ♂; Sierra Leone; Stockholm Mus.

DISTRIBUTION: Sierra Leone; Guinea.

HOST PLANT: Unrecorded.

***Lasiacantha sideris** Drake

Lasiacantha sideris Drake 1951, p. 175 [Kenya].

TYPE: Holotype ♀, macropterous; Murnias, Kenya; Hungarian Mus.

DISTRIBUTION: Kenya.

HOST PLANT: Unrecorded.

***Lasiacantha turneri** Drake

Lasiacantha [sic] *turneri* Drake 1953d, p. 219 [South-West Africa].

TYPE: Holotype ♂; Okahandja, South-West Africa; British Mus.

DISTRIBUTION: South-West Africa.

HOST PLANT: Unrecorded.

***Lasiacantha yebo** Schouteden

Lasiacantha yebo Schouteden 1955a, p. 28 [Congo].

TYPE: Sex unknown; Yebo, Ituri, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo; Kenya.

HOST PLANT: Unrecorded.

Genus LEPTOBYRSA Stål

Leptobyrsa Stål 1873, pp. 119, 123.—Lethierry and Severin 1896, p.

13.—Drake and Poor 1937c, pp. 163–165.—Monte 1939b, p. 71;

1941e, p. 101.—Drake and Ruhoff 1960a, p. 64.

TYPE SPECIES: *Tingis steini* Stål.

***Leptobyrsa ardua** Drake

Leptobyrsa ardua Drake 1922c, p. 376 [Brazil].—Drake and Hambleton

1938b, p. 54.—Monte 1939b, p. 71 [*Symphypappus reticulatus*].

TYPE: Holotype ♂, macropterous; Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil; Argentina.

HOST PLANT: *Symphypappus reticulatus*.

***Leptobyrsa baccharidis** Drake and Hambleton

Leptobyrsa baccharidis Drake and Hambleton 1938a, p. 65 [Brazil;

Baccharis mesoneura; *Eupatorium intermedium*].—Silva 1956, p. 36.

TYPE: Holotype ♂, macropterous; São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANTS: *Baccharis mesoneura*; *Eupatorium intermedium*.

***Leptobyrsa bruchi** Drake

Leptobyrsa bruchi Drake 1928i, p. 73 [Argentina].

TYPE: Holotype ♂, macropterous; Córdoba, Argentina; Drake Coll. (USNM).

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

***Leptobyrsa decora** Drake

Leptobyrsa decora Drake 1922c, p. 375 [Colombia; Ecuador].—Monte 1938b, p. 130 [*Citrus aurantium*].

TYPE: Holotype ♂, macropterous; Lacumbre, Colombia; Drake Coll. (USNM).

DISTRIBUTION: Colombia; Ecuador.

HOST PLANT: *Citrus aurantium*.

***Leptobyrsa mendocina** Pennington

Leptobyrsa mendocina Pennington 1919, p. 526, fig. 1 [Argentina]; 1921, p. 20.

Leptobyrsa mendecina [sic]: Drake 1931b, p. 511.

TYPE: Holotype ♀, macropterous; Mendoza, Argentina; Drake Coll. (USNM).

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

***Leptobyrsa pulchra** Monte

Leptobyrsa pulchra Monte 1940e, p. 286 [Brazil].

TYPE: Holotype ♂; Nova Teutonia, Santa Catarina, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Leptobyrsa steini** (Stål)

Tingis steini Stål 1858, p. 64 [Brazil].—Walker 1873a, p. 181.

Leptobyrsa steinii [sic]: Stål 1873, p. 123.—Pennington 1919, p. 527, fig.

Leptobyrsa steini: Champion 1898b, p. 58, pl. 2, fig. 4.—Drake and Hambleton 1935, p. 148 [*Eupatorium intermedium*; *Baccharis mesoneura*]; 1938a, p. 65 [*Symphypappus reticulatus*]; 1944b, p. 126.—Drake 1936b, p. 700 [Argentina].—Drake and Poor 1937d, p. 309.—Monte 1941c, p. 204, fig. 1; 1942d, p. 108; 1944b, p. 461, figs. 4–8.—Singh 1953, p. 118.

Leptobyrsa nigratarsis Monte 1937a, p. 32, fig. 10; 1937c, p. 72; 1941c, p. 207, fig. 2.

TYPE: Holotype ♂; Rio de Janeiro, Brazil; Stockholm Mus.

DISTRIBUTION: Brazil; Argentina.

HOST PLANTS: *Baccharis mesoneura*; *Eupatorium intermedium*; *Symphypappus reticulatus*.

***Leptobyrsa tersa** Drake and Hambleton

Leptobyrsa tersa Drake and Hambleton 1935, p. 148 [Brazil; *Moquinia polymorpha*].—Monte 1937a, p. 32 [*Moquinia*].

TYPE: Holotype ♂, macropterous; São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANTS: *Moquinia polymorpha*; *Moquinia* sp.

Genus LEPTOCYSTA Stål

Leptocysta Stål 1873, pp. 121, 127.—Monte 1939b, p. 71; 1941e, p. 103; 1946a, p. 325 (key).—Drake and Ruhoff 1960a, p. 64.

TYPE SPECIES: *Tingis sexnebulosa* Stål.

***Leptocysta notialis** Drake

Leptocysta notialis Drake 1948d, p. 18 [Argentina].

TYPE: Holotype ♂, macropterous; Rosas, F. C. Sud, Buenos Aires, Argentina; Drake Coll. (USNM).

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

***Leptocysta novatis** Drake

Leptocysta sexnebulosa (not Stål): Berg 1884, p. 103.

Leptocysta novatis Drake 1928i, p. 72 [Argentina]; 1935, p. 17 [Paraguay].—Drake and Poor 1938b, p. 107.—Monte 1938d, p. 387; 1946a, p. 328, figs. 3, 4.

TYPE: Holotype ♂, macropterous; La Plata, Argentina; Drake Coll. (USNM).

DISTRIBUTION: Argentina; Paraguay.

HOST PLANT: Unrecorded.

***Leptocysta sexnebulosa** (Stål)

Tingis sex-nebulosa Stål 1858, p. 64 [Brazil].—Walker 1873, p. 181.

Leptocysta sexnebulosa: Stål 1873, p. 127.—Lethierry and Severin 1896, p. 15 [Argentina].—Champion 1898b, p. 61, pl. 2, figs. 10, 10a.—Pennington 1921, p. 20.—Drake 1930a, p. 1; 1931b, p. 511 [Colombia]; 1935, p. 17 [Paraguay].—Drake and Hambleton 1934, p. 442 [*Antennaria*; *Ipomoea batatas*]; 1945, p. 359.—Costa Lima 1936, p. 128.—Bosq 1937, p. 130.—Drake and Poor 1937d, p. 306, pl. 36, fig. 13; 1939b, p. 98.—Monte 1937, p. 34, fig. 3 [*Mikania*]; 1938b, p. 131; 1939b, p. 71 [Venezuela; *Vernonia*]; 1940c, p. 193; 1940d, p. 101; 1946a, p. 326, figs. 1, 2 [Peru].

Leptocysta sexnolata [sic]: Drake 1936b, p. 699.

TYPE: Holotype ♂; Rio de Janeiro, Brazil; Stockholm Mus.

DISTRIBUTION: Brazil; Venezuela; Peru; Colombia; Argentina; Paraguay.

HOST PLANTS: *Antennaria* sp.; *Ipomoea batatas*; *Mikania* sp.; *Vernonia* sp.

***Leptocysta tertia** Monte

Leptocysta tertia Monte 1946a, p. 330, figs. 5, 6 [Argentina].

TYPE: Holotype ♂; Puerto Tirol, Argentina; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

Genus LEPTODICTYA Stål

Leptodictya Stål 1873, pp. 121, 127.—Lethierry and Severin 1896, p. 14.—Champion 1897, p. 23 (key).—Van Duzee 1916, p. 26; 1917b, p. 219.—Blatchley 1926, p. 477 (key).—Drake 1931e, pp. 119–121.—Monte 1939b, p. 71; 1941e, p. 103.—Hurd 1946, p. 452.—Drake and Ruhoff 1960a, p. 64.

TYPE SPECIES: *Monanthia (Physatocheila) ochropa* Stål.

Subgenus LEPTODICTYA (LEPTODICTYA) Stål

TYPE SPECIES: *Monanthia (Physatocheila) ochropa* Stål.

***Leptodictya ochropa** (Stål)

Monanthia (Physatocheila) ochropa Stål 1858, p. 62 [Brazil].

Monanthia ochropa: Walker 1873a, p. 192.

Leptodictya ochropa: Stål 1873a, p. 127.—Drake 1931e, pp. 119, 121; 1936b, p. 699 [Argentina].—Drake and Poor 1937d, p. 306, pl. 36, fig. 4.—Drake and Hambleton 1938b, p. 53 [bamboo].—Monte 1938b, p. 131.—Silva 1956, p. 38, fig. 13.—Drake and Davis 1960, fig. 60.

TYPE: Holotype ♂; Rio de Janeiro, Brazil; Stockholm Mus.

DISTRIBUTION: Argentina; Brazil.

HOST PLANT: Bamboo.

Subgenus LEPTODICTYA (HANUALA) Kirkaldy

Hanuala Kirkaldy 1905, p. 217.

Leptodictya (Hanuala): Drake 1931e, pp. 119–121.—Monte 1939b, p. 72; 1941e, p. 104.—Drake and Ruhoff 1960a, p. 65.

TYPE SPECIES: *Hanuala leinahoni* Kirkaldy.

***Leptodictya (Hanuala) approximata** (Stål)

Monanthia (Physatocheila) approximata Stål 1858, p. 63 [Brazil].

Monanthia approximata: Walker 1873a, p. 193.

Leptodictya approximata: Stål 1873, p. 127.—Drake 1928a, p. 46.—Drake and Poor 1937d, p. 307, pl. 36, fig. 3 [British Guiana].—Drake and Hambleton 1938b, p. 53.

Leptodictya (Hanuala) approximata: Drake 1931e, p. 121.—Monte 1941e, p. 104 [*Bambusa*].

TYPE: Sex unknown; Rio de Janeiro, Brazil; Stockholm Mus.

DISTRIBUTION: Brazil; British Guiana; Bolivia.

HOST PLANT: *Bambusa* sp.

***Leptodictya (Hanuala) austrina** Drake and Hambleton

Leptodictya austrina Drake and Hambleton 1939, p. 157 [Brazil; *Olyra*].

Leptodictya (Hanuala) austrina: Monte 1941e, p. 104.

TYPE: Holotype ♂, macropterous; Ribeirão Preto, São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Olyra* sp.

***Leptodictya (Hanuala) bambusae** Drake

Leptodictya bambusae Drake 1918a, p. 175 [Puerto Rico; *Bambusa vulgaris*]; 1926a, p. 86 [Cuba; sugar].—Wolcott 1923, p. 247.—Drake and Bruner 1924a, p. 149 [Mexico].—Barber 1939, p. 370 [Haiti].—Bruner, Scaramuzza and Otero 1945, pp. 19, 158 [*Saccharum officinarum*].—Drake and Hambleton 1945, p. 362 [El Salvador; Guatemala; Tex.; Peru; maize]; 1946b, p. 122.—Box 1953, p. 37.

Leptodictya (Hanuala) bambusae: Drake 1931e, pp. 119, 121.

TYPE: Holotype ♂, macropterous; Mayaguez, Puerto Rico; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Tex.); Puerto Rico; Cuba; Haiti; Mexico; Guatemala; El Salvador; Colombia; Ecuador; Venezuela; Peru.

HOST PLANTS: *Bambusa vulgaris*; *Dendrocalamus strictus*; *Saccharum officinarum*; maize.

***Leptodictya (Hanuala) championi** Drake

Leptodictya championi Drake 1928a, p. 46 [Guatemala].

Leptodictya (Hanuala) championi: Drake 1931e, p. 121.

TYPE: Holotype ♂, macropterous; Purula, Vera Paz, Guatemala; Drake Coll. (USNM).

DISTRIBUTION: Guatemala.

HOST PLANT: Unrecorded.

***Leptodictya (Hanuala) circumcincta** Champion

Leptodictya circumcincta Champion 1897, p. 24, pl. 2, figs. 12, 12a [Panama].—Drake and Ruhoff 1962d, p. 489.

Leptodictya fusca Drake 1928a, p. 50 [Canal Zone].

Leptodictya (Hanuala) fusca: Drake 1931e, p. 121.

Leptodictya (Hanuala) circumcincta: Drake 1931e, p. 121.

TYPE: Sex unknown; San Felix, Chiriqui, Panama; British Mus.

DISTRIBUTION: Panama; Canal Zone; Ecuador.

HOST PLANT: Unrecorded.

***Leptodictya (Hanuala) colombiana** Drake

Leptodictya colombiana Drake 1928a, p. 48 [Colombia].

Leptodictya (Hanuala) colombiana: Drake 1931e, p. 121.

TYPE: Holotype ♂, macropterous; Colombia; Drake Coll. (USNM).

DISTRIBUTION: Colombia; Peru; Ecuador.

HOST PLANT: Kidney bean.

**Leptodictya* (*Hanuala*) *comes* Drake and Hambleton (emendation)

Leptodictya comitis Drake and Hambleton 1938b, p. 54, pl. 10, fig. c [Brazil; *Olyra*; bamboo].

Leptodictya (*Hanuala*) *comitis*: Monte 1939b, p. 72; 1941e, p. 105.

TYPE: Holotype ♂, macropterous; Ponte Nova, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANTS: *Olyra* sp.; bamboo.

**Leptodictya* (*Hanuala*) *cretata* Champion

Leptodictya cretata Champion 1897, p. 23, pl. 2, figs. 11, 11a, b [Guatemala].

Leptodictya (*Hanuala*) *cretata*: Drake 1931e, pp. 120, 121 [Costa Rica; bamboo].

TYPE: Sex unknown; Panajachel, Guatemala; British Mus.

DISTRIBUTION: Guatemala; Costa Rica.

HOST PLANT: Bamboo.

**Leptodictya* (*Hanuala*) *decor* Drake and Hambleton (emendation)

Leptodictya decoris Drake and Hambleton 1945, p. 364 [Peru; bamboo].

TYPE: Holotype ♂, macropterous; Tingo Maria, Peru; Drake Coll. (USNM).

DISTRIBUTION: Peru.

HOST PLANT: Bamboo.

Leptodictya (*Hanuala*) *dilatata* Monte

Leptodictya dilatata Monte 1942a, p. 97 [Brazil].

TYPE: Holotype ♀; Nova Friburgo, Estado do Rio, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

**Leptodictya* (*Hanuala*) *dohrni* (Stål)

Monanthia (*Physatocheila*) *dohrni* Stål 1858, p. 62 [Brazil].

Monanthia dohrni: Walker 1873a, p. 193.

Leptodictya dohrnii [sic]: Stål 1873, p. 127.—Drake 1931b, p. 511.

Leptodictya dohrni: Lethierry and Severin 1896, p. 14.—Drake and Poor 1937d, p. 307, pl. 36, fig. 1.—Monte 1941b, pp. 101–106, fig.

Leptodictya (*Hanuala*) *dohrnii* [sic]: Drake 1931e, p. 121.

TYPE: Holotype ♀; Rio de Janeiro, Brazil; Stockholm Mus.

DISTRIBUTION: Brazil; Peru.

HOST PLANT: Unrecorded.

**Leptodictya* (*Hanuala*) *dola* Drake and Hambleton

Leptodictya dola Drake and Hambleton 1939, p. 159 [Brazil; *Panicum maximum*].

Leptodictya (*Hanuala*) *dola*: Monte 1941e, p. 105.

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Panicum maximum*.

**Leptodictya* (*Hanuala*) *ecuadoris* Drake and Hambleton

Leptodictya ecuadoris Drake and Hambleton 1945, p. 362 [Ecuador; bamboo].

TYPE: Holotype ♂, macropterous; Vinces, Ecuador; Drake Coll. (USNM).

DISTRIBUTION: Ecuador; Brazil.

HOST PLANT: Bamboo.

**Leptodictya* (*Hanuala*) *elitha* Drake and Ruhoff

Leptodictya elitha Drake and Ruhoff 1962c, p. 136 [Peru].

TYPE: Holotype ♂, macropterous; Queros, Rio Cosñipata, Dept. Cuzco, Peru; Drake Coll. (USNM).

DISTRIBUTION: Peru.

HOST PLANT: Unrecorded.

**Leptodictya* (*Hanuala*) *evidens* Drake

Leptodictya evidens Drake 1928a, p. 49 [Panama].

Leptodictya (*Hanuala*) *evidens*: Drake 1931a, p. 121.

TYPE: Holotype ♀, macropterous; Tabernilla, Panama; Drake Coll. (USNM).

DISTRIBUTION: Panama: Peru.

HOST PLANT: Unrecorded.

Leptodictya (*Hanuala*) *faceta* Monte

Leptodictya faceta Monte 1943d, p. 270 [Brazil].

TYPE: Holotype ♂; Palmerias, Ipaussú, São Paulo, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

**Leptodictya* (*Hanuala*) *formositis* Drake (emendation)

Leptodictya formosatis Drake 1928a, p. 50 [Ecuador].

Leptodictya (*Hanuala*) *formosatis*: Drake 1931e, p. 121.

TYPE: Holotype ♀, macropterous; Mera, Ecuador; Drake Coll. (USNM).

DISTRIBUTION: Ecuador.

HOST PLANT: Unrecorded.

**Leptodictya* (*Hanuala*) *fraterna* Monte

Leptodictya fraterna Monte 1941d, p. 96, fig. 3 [Costa Rica].—Drake and Hambleton 1945, p. 362 [bamboo].

TYPE: Holotype ♂, macropterous; San Isidro de Coronado, Alajuela, Costa Rica; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Costa Rica.

HOST PLANT: Bamboo.

***Leptodictya (Hanuala) fuscocincta (Stål)**

Monanthia (Physatocheila) fusco-cincta Stål 1858, p. 62 [Brazil].

Monanthia fuscocincta: Walker 1873a, p. 193.

Leptodictya fuscocincta: Stål 1873, p. 127.—Champion 1898b, p. 60, pl. 2, fig. 9.—Drake and Poor 1937d, p. 307.—Drake and Hambleton 1938b, p. 53 [bamboo].—Monte 1938b, p. 131; 1941b, p. 104.

Leptodictya (Hanuala) fuscocincta: Drake 1931e, p. 121.

TYPE: Holotype ♀; Rio de Janeiro, Brazil; Stockholm Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Bamboo.

***Leptodictya (Hanuala) galerita Drake**

Leptodictya galerita Drake 1942a, p. 19 [Paraguay].

TYPE: Holotype ♂, macropterous; Horqueta, Paraguay; Drake Coll. (USNM).

DISTRIBUTION: Paraguay.

HOST PLANT: Unrecorded.

***Leptodictya (Hanuala) grandatis Drake**

Leptodictya grandatis Drake 1931b, p. 511 [Peru].

TYPE: Holotype ♂, macropterous; Tambo Eneñas, Cam. del Pichis, Peru; Cornell Univ.

DISTRIBUTION: Peru.

HOST PLANT: Unrecorded.

Leptodictya (Hanuala) intermedia Monte

Leptodictya intermedia Monte 1943d, p. 272 [Brazil].

TYPE: Holotype ♂; Nova Teutonia, S. Catarina, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Leptodictya (Hanuala) laidis Drake and Hambleton**

Leptodictya laidis Drake and Hambleton 1945, p. 362 [Colombia; bamboo].

TYPE: Holotype ♂, macropterous; Villavicencio, Colombia; Drake Coll. (USNM).

DISTRIBUTION: Colombia.

HOST PLANT: Bamboo.

***Leptodictya (Hanuala) leinahoni (Kirkaldy)**

Hanuala leinahoni Kirkaldy 1905, p. 217 [Peru; Bolivia].

Leptodictya leinahoni: Drake 1922b, p. 42.—Monte 1938b, p. 131.

Leptodictya (Hanuala) leinahoni: Drake 1931c, p. 226; 1931e, p. 121 [Ecuador].—Drake and Davis 1960, fig. 61.

TYPE: Lectotype ♀, macropterous; Mapiri, Bolivia; USNM.

DISTRIBUTION: Bolivia; Peru; Ecuador.

HOST PLANT: Unrecorded.

Leptodictya (Hanuala) lepida (Stål)

Monanthia (Physatocheila) lepida Stål 1858, p. 63 [Brazil].

Monanthia lepida: Walker 1873a, p. 193.

Leptodictya lepida: Stål 1873, p. 127.—Drake and Poor 1937d, p. 307, pl. 36, fig. 2.

Leptodictya (Hanuala) lepida: Drake 1931e, p. 121.

TYPE: Sex unknown; Rio de Janeiro, Brazil; Stockholm Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Leptodictya (Hanuala) litigiosa** Monte

Leptodictya litigiosa Monte 1940b, p. 380 [Brazil; bamboo].—Silva 1956, p. 36, fig. 12 [*Phyllostachys castilloni*].

Leptodictya (Hanuala) litigiosa: Monte 1941e, p. 106.

TYPE: Holotype ♂; Água Preta, Estado da Bahia, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil; British Guiana.

HOST PLANT: *Phyllostachys castilloni*; bamboo.

***Leptodictya (Hanuala) lucida** Drake and Hambleton

Leptodictya lucida Drake and Hambleton 1945, p. 364 [Peru; bamboo].

TYPE: Holotype ♂, macropterous; Tingo María, Peru; Drake Coll. (USNM).

DISTRIBUTION: Peru.

HOST PLANT: Bamboo.

***Leptodictya (Hanuala) luculenta** Drake

Leptodictya luculenta Drake 1928a, p. 49 [Ecuador].

Leptodictya (Hanuala) luculenta: Drake 1931e, p. 121.

TYPE: Holotype ♂, macropterous; Mera, Ecuador; Drake Coll. (USNM).

DISTRIBUTION: Ecuador; Peru.

HOST PLANT: Unrecorded.

***Leptodictya (Hanuala) madelinae** Drake

Leptodictya madelinae Drake 1928a, p. 47 [Ecuador]; 1931b, p. 511 [Peru].

Leptodictya (Hanuala) madelinae: Drake 1931e, p. 121 [grass].

TYPE: Holotype ♂, macropterous; Banos, Ecuador; Drake Coll. (USNM).

DISTRIBUTION: Ecuador; Peru.

HOST PLANT: Grass.

***Leptodictya (Hanuala) madra** Drake and Hambleton

Leptodictya madra Drake and Hambleton 1939, p. 158 [Brazil; *Olyra*].

Leptodictya (Hanuala) madra: Monte 1941e, p. 106.

TYPE: Holotype ♂, macropterous; Belém, Pará, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Olyra* sp.

***Leptodictya (Hanuala) nema** Drake and Hambleton

Leptodictya nema Drake and Hambleton 1939, p. 158 [Brazil].

Leptodictya (Hanuala) nema: Monte 1941e, p. 106.

TYPE: Holotype ♀, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Leptodictya (Hanuala) nicholi** Drake

Leptodictya nicholi Drake 1926c, p. 126 [Ariz.].

Leptodictya (Hanuala) nicholi: Drake 1931e, p. 121.

TYPE: Holotype ♂, macropterous; Santa Rita Mountains, Arizona, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Ariz.).

HOST PLANT: Unrecorded.

Leptodictya (Hanuala) nigra Monte

Leptodictya nigra Monte 1941d, p. 97 [Costa Rica].

TYPE: Holotype ♂; San Isidro de Coronado, Alajuela, Costa Rica; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Costa Rica.

HOST PLANT: Unrecorded.

***Leptodictya (Hanuala) nigrosis** Drake and Hambleton

Leptodictya nigrosis Drake and Hambleton 1945, p. 363 [Peru; bamboo].

TYPE: Holotype ♂, macropterous; Tingo María, Peru; Drake Coll. (USNM).

DISTRIBUTION: Peru.

HOST PLANT: Bamboo.

***Leptodictya (Hanuala) nota** Drake and Hambleton

Leptodictya nota Drake and Hambleton 1939, p. 157 [Brazil; *Olyra*].

Leptodictya (Hanuala) nota: Monte 1941e, p. 106.

TYPE: Holotype ♂, macropterous; Belém, Pará, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Olyra* sp.

***Leptodictya (Hanuala) olyrae** Drake

Leptodictya (Hanuala) olyrae Drake 1931e, p. 121 [Brazil; *Olyra*].

Leptodictya olyrae: Costa Lima 1936, p. 128.—Drake and Hambleton 1938a, p. 48; 1938b, p. 54.—Monte 1938b, p. 131 [*Olyra latifolia*].—Silva 1956, p. 38.

TYPE: Holotype ♀, macropterous; Bahia, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil. {

HOST PLANTS: *Olyra latifolia*; *Olyra* sp.

***Leptodictya (Hanuala) parilis** Drake and Hambleton

Leptodictya parilis Drake and Hambleton 1945, p. 363 [El Salvador; bamboo].

TYPE: Holotype ♂, macropterous; San Andrés, El Salvador; Drake Coll. (USNM).

DISTRIBUTION: El Salvador.

HOST PLANT: Bamboo.

***Leptodictya (Hanuala) paspalii** Drake and Hambleton

Leptodictya paspalii Drake and Hambleton 1934, p. 443 [Brazil; *Paspalum*].—Costa Lima 1936, p. 128.

Leptodictya (Hanuala) paspalii: Monte 1939b, p. 72; 1941c, p. 107.

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Paspalum* sp.

***Leptodictya (Hanuala) paulana** Drake and Hambleton

Leptodictya paulana Drake and Hambleton 1944b, p. 125 [Brazil].

TYPE: Holotype ♂, macropterous; Taquaretinga, São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Leptodictya (Hanuala) perita** Drake

Leptodictya perita Drake 1935, p. 17 [Brazil].—Monte 1940b, p. 380.

Leptodictya (Hanuala) perita: Monte 1939b, p. 72; 1941c, p. 107.

TYPE: Holotype ♂; Rio Grande do Sul, Brazil; Vienna Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Leptodictya (Hanuala) plana** Heidemann

Leptodictya plana Heidemann 1913b, p. 1, fig. 1 [Okla.].—Drake 1925c, p. 38 [Miss.].—Blatchley 1926, p. 478, fig. 108.

Leptodictya (Hanuala) plana: Drake 1931e, p. 121 [Fla.; Ala.; Tex.].

TYPE: Holotype ♂, macropterous; Wistar, Indian Territory, U.S.; USNM.

DISTRIBUTION: U.S. (Okla.; Tex.; Ariz.; Kans.; Ala.; Miss.; Fla.); Mexico.

HOST PLANT: Gramineae.

***Leptodictya (Hanuala) simulans** Heidemann

Leptodictya simulans Heidemann 1913b, p. 3, fig. 2 [Va.; Ala.; S.C.].—Blatchley 1926, p. 478, fig. 109 [Miss.].

Leptodictya (Hanuala) simulans: Drake 1931e, pp. 120, 121 [Tex.; Fla.; N.C.; bamboo].

TYPE: Holotype ♂, macropterous; Drummond, Virginia, U.S.; USNM.

DISTRIBUTION: U.S. (Va.; N.C.; S.C.; Fla.; Ala.; Miss.; Tex.).

HOST PLANT: Bamboo.

**Leptodictya* (*Hanuala*) *sinaloana* Drake

Leptodictya sinaloana Drake 1954d, p. 75 [Mexico].

TYPE: Holotype ♂, macropterous; Sinaloa, Mexico; USNM.

DISTRIBUTION: Mexico.

HOST PLANT: Unrecorded.

NOTE: Found on orchid plants at port-of-entry, Nogales, Ariz. [Drake 1954d]; found on *Tillandsia usneoides* from Mexico, at port-of-entry, San Pedro, Calif.

**Leptodictya* (*Hanuala*) *socorrana* Drake

Leptodictya socorrana Drake 1948c, p. 23 [Revilla Gigedo].

TYPE: Holotype ♂; Socorro Island, Mexico; Cal. Acad.

DISTRIBUTION: Mexico (Revilla Gigedo Islands).

HOST PLANT: Unrecorded.

**Leptodictya* (*Hanuala*) *sodalatis* Drake

Leptodictya sodalatis Drake 1928a, p. 48 [Bolivia].

Leptodictya (*Hanuala*) *sodalatis*: Drake 1931e, p. 121.

TYPE: Holotype ♂, macropterous; Cochabamba, Bolivia; Drake Coll. (USNM).

DISTRIBUTION: Bolivia.

HOST PLANT: Unrecorded.

**Leptodictya* (*Hanuala*) *solita* Drake and Hambleton

Leptodictya solita Drake and Hambleton 1938b, p. 53, pl. 9, fig. d [Brazil; *Olyra*].

Leptodictya (*Hanuala*) *solita*: Monte 1939b, p. 72; 1941e, p. 107.

TYPE: Holotype ♀, macropterous; Ponte Nova, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Olyra* sp.

**Leptodictya* (*Hanuala*) *tabida* (Herrich-Schaeffer)

Monanthia tabida Herrich-Schaeffer 1840, p. 86, pl. 173, fig. 535 [Mexico].—Stål 1873, p. 134.—Walker 1873a, p. 191.

Monanthia (*Phyllontocheila*) *tabida*: Fieber 1844, p. 70, pl. 6, fig. 1.—Herrich-Schaeffer 1850, p. 155.

Leptostyla tabida: Uhler 1886, p. 22.

Leptodictya tabida: Champion 1897, p. 23, pl. 2, figs. 10, 10a [Guatemala]; 1898b, p. 60.—Heidemann 1913a, p. 249, fig. 1 [Panama; sugar].—Drake 1925c, p. 38 [Tex.].—Drake and Hambleton 1946b, p. 122.—Box 1953, p. 37 [Venezuela].—Berry 1959, p. 145, fig. 126 [El Salvador].

Leptodictya (*Hanuala*) *tabida*: Drake 1931e, pp. 119, 121 [Cuba; maize; bamboo].

TYPE: Mexico; sex and deposition of type unknown.

DISTRIBUTION: Panama; El Salvador; Venezuela; Cuba; Guatemala; Mexico; U.S. (Tex.).

HOST PLANTS: Bamboo; maize; sugar.

Leptodictya (Hanuala) tegeticula Monte

Leptodictya tegeticula Monte 1943d, p. 271 [Brazil].

TYPE: Holotype ♂; São Paulo, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Leptodictya (Hanuala) venezolana** Monte

Leptodictya venezolana Monte 1940d, p. 104 [Venezuela; *Bambusa*].

TYPE: Holotype ♂; Caobos, Caracas, Venezuela; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Venezuela.

HOST PLANT: *Bambusa* sp.

***Leptodictya (Hanuala) vulgata** Drake

Leptodictya vulgata Drake 1928a, p. 46 [Ecuador].

Leptodictya (Hanuala) vulgata: Drake 1931e, p. 121.

TYPE: Holotype ♂, macropterous; Naranjapata, Ecuador; Drake Coll. (USNM).

DISTRIBUTION: Ecuador; Bolivia.

HOST PLANT: Unrecorded.

***Leptodictya (Hanuala) williamsi** Drake

Leptodictya williamsi Drake 1928a, p. 47 [Ecuador].

Leptodictya (Hanuala) williamsi: Drake 1931e, p. 121.

TYPE: Holotype ♂, macropterous; Banos, Ecuador; Drake Coll. (USNM).

DISTRIBUTION: Ecuador.

HOST PLANT: Unrecorded.

Genus LEPTOPHARSA Stål

Leptopharsa Stål 1873, pp. 122, 126.—Lethierry and Severin 1896, p. 14.—Champion 1897, p. 21.—Drake 1928d, p. 21.—Costa Lima 1936, p. 128.—Monte 1939b, p. 72; 1941e, p. 108.—Hurd 1946, p. 465.—Bailey 1951, p. 35.—Silva 1956, pp. 38–41.—Drake and Ruhoff 1960a, p. 65.

Leptostyla Stål 1873, pp. 120, 125.—Lethierry and Severin 1896, p. 14.—Champion 1897, p. 11 (key).—Osborn and Drake 1916a, p. 237.—Van Duzee 1917b, pp. 218, 817.—McAtee 1917a, p. 60 (key).—Drake and Ruhoff 1960a, p. 65.

Gelchossa Kirkaldy 1904, p. 280.—Drake 1922c, p. 372.—Parshley 1923b, p. 704.—Blatchley 1926, p. 475 (key).—Drake and Ruhoff 1960a, p. 58.

TYPE SPECIES: *Leptopharsa elegantula* Stål.

***Leptopharsa albella** Drake

Leptopharsa albella Drake 1935, p. 18 [Paraguay].

TYPE: Holotype ♂; S. Bernardino, Paraguay; Vienna Mus.

DISTRIBUTION: Paraguay.

HOST PLANT: Unrecorded.

***Leptopharsa angustata** (Champion)

Leptostyla angustata Champion 1897, p. 17, pl. 1, figs. 24, 24a [Guatemala].—Van Duzee 1907, p. 19 [Jamaica].

Gelchossa angustata: Drake and Bruner 1924a, p. 149.—Gowdy 1926a, p. 35.

Leptopharsa angustata: Drake and Hambleton 1945, p. 360.—Hurd 1946, p. 466 [*Artocarpus integrifolia*].

TYPE: Sex unknown; San Gerónimo, Guatemala; British Mus.

DISTRIBUTION: Guatemala; Jamaica.

HOST PLANT: *Artocarpus integrifolia*.

***Leptopharsa arta** Drake and Poor

Leptopharsa arta Drake and Poor 1942, p. 300 [Argentina; Brazil].

TYPE: Holotype ♂; Loreto, Misiones, Argentina; Argentina Mus.

DISTRIBUTION: Argentina; Brazil.

HOST PLANT: Unrecorded.

***Leptopharsa artocarp**i Drake and Hambleton

*Leptopharsa artocarp*i Drake and Hambleton 1938a, p. 48, fig. 1 [Brazil; *Artocarpus integrifolia*].

TYPE: Holotype ♀, macropterous; Deodoro, E. do Rio, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Artocarpus integrifolia*.

***Leptopharsa atibaiae** Drake and Ruhoff

Leptopharsa atibaiae Drake and Ruhoff 1962d, p. 489 [Brazil].

TYPE: Holotype ♂, macropterous; Atibaia, São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Leptopharsa avia** Drake

Leptopharsa avia Drake 1953a, p. 15 [Brazil].

TYPE: Holotype ♂, macropterous; Belo Horizonte, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

Leptopharsa bifasciata (Champion)

Leptostyla bifasciata Champion 1897, p. 19, pl. 2, figs. 3,3a [Guatemala].

Leptopharsa bifasciata: Hurd 1946, p. 466.

TYPE: Sex unknown; Senahu, Vera Paz, Guatemala; British Mus.

DISTRIBUTION: Guatemala.

HOST PLANT: Unrecorded.

**Leptopharsa bondari* Drake and Poor

Leptopharsa bondari Drake and Poor 1939a, p. 33 [Brazil].

TYPE: Holotype ♂, macropterous; Bahia, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

**Leptopharsa bradleyi* (Drake)

Leptobyrsa bradleyi Drake 1931b, p. 513 [Peru].

Leptopharsa bradleyi: Drake and Poor 1937c, p. 163.

TYPE: Holotype ♂, macropterous; Matucana, Peru; Cornell Univ.

DISTRIBUTION: Peru.

HOST PLANT: Unrecorded.

**Leptopharsa callangae* Drake and Poor

Leptopharsa callangae Drake and Poor 1940, p. 230 [Peru].

TYPE: Holotype ♂; Callanga, Peru; Stockholm Mus.

DISTRIBUTION: Peru.

HOST PLANT: Unrecorded.

**Leptopharsa calopa* Drake

Leptopharsa calopa Drake 1928a, p. 54 [Brazil].

TYPE: Holotype ♂; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

**Leptopharsa clitoriae* (Heidemann)

Leptostyla clitoriae Heidemann 1911a, p. 137, pl. 10, fig. 6; 1911b, p. 180, fig. 4 [D.C.; Md.; Tex.; *Clitoria mariana*].—Osborn and Drake 1916a, p. 239, fig. 8 [S.C.].—Van Duzee 1917b, p. 218 [Mass.; N.Y.; Pa.; Ark.].—McAtee 1917a, p. 61 [*Lespedeza*; *Meibomia*]; 1919, p. 143 [Ind.].—Hussey 1922b, p. 23 [Mich.].

Leptostyla costofasciata Drake 1916, p. 326, fig. 1 [Tenn.].

Gelchossa clitoriae: McAtee 1923, p. 146.—Blatchley 1926, p. 476, fig. 107.—Blöte 1945, p. 85.

Leptopharsa clitoriae: Froeschner 1944, p. 669 [Mo.].—Proctor 1946, p. 74 [Maine; alder].—Bailey 1951, p. 36 [Conn.; *Lappula*].

TYPE: Holotype ♂, macropterous; Rock Creek, District of Columbia, U.S.; USNM.

DISTRIBUTION: U.S. (Maine; Mass.; N.Y.; Pa.; Md.; D.C.; Va.; W. Va.; N.C.; S.C.; Ark.; Miss.; Tenn.; Tex.; Kans.; Mo.; Iowa; Nebr.; Wis.; Mich.; Ill.; Ind.; Ohio).

HOST PLANTS: *Clitoria mariana*; *Meibomia* sp.; *Lespedeza* sp.; *Lappula* sp.; alder.

NOTE: Eggs [Heidemann 1911a; Bailey]. Taken at light [Bailey].

***Leptopharsa cognata** Drake and Hambleton

Leptopharsa cognata Drake and Hambleton 1934, p. 448 [Brazil; *Miconia*].

TYPE: Holotype ♀, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Miconia* sp.

***Leptopharsa constricta** (Champion)

Leptostyla constricta Champion 1897, p. 20, pl. 2, figs. 6, 6a [Guatemala; Panama].—Van Duzee 1907, p. 19 [Jamaica].

Gelchossa constricta: Drake and Bruner 1924a, p. 149.—Gowdy 1926, p. 35.

Leptopharsa constricta: Hurd 1946, p. 466.

TYPE: Sex unknown; Pantaleon, Guatemala; British Mus.

DISTRIBUTION: Jamaica; Panama; Guatemala.

HOST PLANT: Unrecorded.

NOTE: Synonymy mentioned in Drake and Bruner incorrect.

***Leptopharsa dampfi** (Drake)

Gelchossa dampfi Drake 1927b, p. 117 [Mexico].

Leptopharsa dampfi: Hurd 1946, p. 466.

TYPE: Holotype ♂, macropterous; Montaña de Sumidero, Chiapas, Mexico; Drake Coll. (USNM).

DISTRIBUTION: Mexico.

HOST PLANT: Unrecorded.

***Leptopharsa dapsilis** Drake and Hambleton

Leptopharsa dapsilis Drake and Hambleton 1945, p. 359 [Guatemala; *Olmediella betschleriana*].

TYPE: Holotype ♂, macropterous; Guatemala City, Guatemala; Drake Coll. (USNM).

DISTRIBUTION: Guatemala.

HOST PLANT: *Olmediella betschleriana*.

***Leptopharsa deca** Drake and Hambleton

Leptopharsa deca Drake and Hambleton 1945, p. 359 [Ecuador].

TYPE: Holotype ♂, macropterous; Pichilingue, Ecuador; Drake Coll. (USNM).

DISTRIBUTION: Ecuador.

HOST PLANT: Unrecorded.

***Leptopharsa decens** Drake and Hambleton

Leptopharsa decens Drake and Hambleton 1938a, p. 58, fig. 4 [Brazil; *Erythroxyton deciduum*].

TYPE: Holotype ♂, macropterous; São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Erythroxyton deciduum*.

***Leptopharsa delicata** Monte

Leptopharsa delicata Monte 1945a, p. 249, fig. 1 [Brazil].

TYPE: Holotype ♂; Carmo do Rio Claro, Minas Gerais, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Leptopharsa difficilis** Drake and Hambleton

Leptopharsa difficilis Drake and Hambleton 1938b, p. 56, pl. 10, fig. F [Brazil; *Chlorophora tinctoria*].—Monte 1942d, p. 108.

TYPE: Holotype ♂, macropterous; Campinas, São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Chlorophora tinctoria*.

Leptopharsa dilaticollis (Champion)

Leptostyla dilaticollis Champion 1897, p. 18, pl. 2, figs. 2, 2a [Guatemala].

Leptopharsa dilaticollis: Hurd 1946, p. 466.

TYPE: Sex unknown; Cahabon, Vera Paz, Guatemala; British Mus.

DISTRIBUTION: Guatemala.

HOST PLANT: Unrecorded.

***Leptopharsa distans** Drake (emendation)

Leptopharsa distantis Drake 1928a, p. 53 [Mexico].

TYPE: Holotype ♂, macropterous; Tamasopa, Mexico; Drake Coll. (USNM).

DISTRIBUTION: Mexico.

HOST PLANT: Unrecorded.

***Leptopharsa distinconis** Drake

Leptopharsa distinconis Drake 1928a, p. 54 [Brazil].—Monte 1939b, p. 73 [Rubiaceae]; 1947b, p. 432 [*Siparuna guianensis*].—Drake and Hambleton 1944b, p. 128.

Leptopharsa iridis Drake 1930a, p. 2.

TYPE: Holotype ♂; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil.

HOST PLANTS: *Siparuna guianensis*; Rubiaceae.

***Leptopharsa divisa** (Champion)

Leptostyla divisa Champion 1897, p. 19, pl. 2, figs. 4, 4a [Panama].

Leptopharsa divisa: Monte 1941d, p. 98 [Costa Rica].—Drake and Hambleton 1945, p. 362 [Guatemala]; 1946b, p. 122 [Rubiaceae].

TYPE: Sex unknown; Volcan de Chiriqui, Panama; British Mus.

DISTRIBUTION: Panama; Guatemala; Costa Rica.

HOST PLANT: Rubiaceae.

***Leptopharsa elachys** Drake and Ruhoff

Leptopharsa elachys Drake and Ruhoff 1961b, p. 177, fig. 17b [South-West Africa].

TYPE: Holotype ♂, macropterous; Windhoek, South-West Africa; Drake Coll. (USNM).

DISTRIBUTION: South-West Africa.

HOST PLANT: Unrecorded.

***Leptopharsa elata** (Champion)

Leptostyla elata Champion 1897, p. 16, pl. 1, figs. 21, 21 a, b [Mexico; Guatemala].

Leptopharsa elata: Monte 1942a, p. 94 [Costa Rica].

TYPE: Sex unknown; San Geronimo, Guatemala; British Mus.

DISTRIBUTION: Mexico; Guatemala; Costa Rica; El Salvador.

HOST PLANT: Unrecorded.

***Leptopharsa elegans** (Hacker)

Gelchossa elegans Hacker 1927, p. 27, pl. 7, fig. 7 [Queensland].

TYPE: Sex unknown; Upper Brookfield, Queensland, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Leptopharsa elegantula** Stål

Leptopharsa elegantula Stål 1873, p. 126 [Colombia].—Champion 1898b, p. 60, pl. 2, fig. 8.—Drake and Poor 1937d, p. 308 [Bolivia; Brazil].

TYPE: Holotype ♂; Bogota, Colombia; Stockholm Mus.

DISTRIBUTION: Colombia; Bolivia; Brazil; Ecuador.

HOST PLANT: Unrecorded.

***Leptopharsa enodata** Drake

Leptopharsa enodata Drake 1942b, p. 364 [Queensland].

TYPE: Holotype ♂; North Pine River, Queensland, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Leptopharsa farameae** Drake and Hambleton

Leptopharsa farameae Drake and Hambleton 1938a, p. 62, fig. 11 [Brazil; *Faramea*].

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Faramea* sp.

***Leptopharsa fici** Drake and Hambleton

Leptopharsa fici Drake and Hambleton 1938a, p. 50, fig. 2 [Brazil; *Ficus elastica*].—Monte 1941e, p. 110 [*Ficus subtriplinervia*].

TYPE: Holotype ♂, macropterous; Campinas, São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANTS: *Ficus elastica*; *Ficus subtriplinervia*.

***Leptopharsa fimbriata** (Champion)

Leptostyla fimbriata Champion 1897, p. 15, pl. 1, figs. 19, 19a [Mexico].

Leptopharsa fimbriata: Hurd 1946, p. 466.

TYPE: Sex unknown; Atoyac, Vera Cruz, Mexico; British Mus.

DISTRIBUTION: Mexico.

HOST PLANT: Unrecorded.

***Leptopharsa firma** Drake and Hambleton

Leptopharsa firma Drake and Hambleton 1938a, p. 53 [Brazil].

TYPE: Holotype ♂, macropterous; Araraquara, São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

Leptopharsa flava Monte

Leptopharsa flava Monte 1940e, p. 291 [Brazil].—Silva 1956, p. 40 [coffee; Rubiaceae].

TYPE: Holotype ♂; Água Preta, Baía, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANTS: Coffee; Rubiaceae.

***Leptopharsa forsteroniae** Drake and Hambleton

Leptopharsa forsteroniae Drake and Hambleton 1938a, p. 51, fig. 6 [Brazil; *Forsteronia*].

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Forsteronia* sp.

***Leptopharsa fortis** Drake and Hambleton

Leptopharsa fortis Drake and Hambleton 1934, p. 447 [Brazil; *Cephaelis hastisepala*].—Monte 1939b, p. 73 [*Psychotria*].

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANTS: *Cephaelis hastisepala*; *Psychotria* sp.

***Leptopharsa furcata** (Stål)

Leptostyla furcata Stål 1873, p. 126 [Brazil].—Champion 1898b, p. 60, pl. 2, figs. 7, 7a.

Gelchossa furcata: Costa Lima 1930, p. 84.

Leptopharsa furcata: Costa Lima 1936, p. 128.—Drake and Poor 1937d, p. 308, pl. 36, fig. 7.—Drake and Hambleton 1938a, p. 55, fig. 5.—Monte 1940c, p. 292 [*Rudgea villiflora*].

TYPE: Sex unknown; Rio de Janeiro, Brazil; Stockholm Mus.

DISTRIBUTION: Brazil.

HOST PLANT: *Rudgea villiflora*.

Leptopharsa furcata var. **immatura** (Stål)

Leptostyla furcata var. *immatura* Stål 1873, p. 126 [Brazil].

TYPE: Sex unknown; Rio de Janeiro, Brazil; Stockholm Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Leptopharsa furculata** (Champion)

Leptostyla furculata Champion 1897, p. 20, pl. 2, figs. 5, 5 a, b [Panama; Guatemala].

Leptopharsa furculata: Hurd 1946, p. 466 [Rubiaceae].

TYPE: Sex unknown; Bugaba, Panama; British Mus.

DISTRIBUTION: Panama; Guatemala; Mexico; Costa Rica.

HOST PLANT: Rubiaceae.

Leptopharsa fuscofasciata (Champion)

Leptostyla fuscofasciata Champion 1897, p. 15, pl. 1, figs. 20, 20a [Panama].

Leptopharsa fuscofasciata: Hurd 1946, p. 466.

TYPE: Sex unknown; Bugaba, Panama; British Mus.

DISTRIBUTION: Panama.

HOST PLANT: Unrecorded.

***Leptopharsa gracilentia** (Champion)

Leptostyla gracilentia Champion 1897, p. 17, pl. 1, figs. 23, 23a [Guatemala].

Leptopharsa gracilentia: Drake and Bondar 1932, p. 91 [Brazil].—Drake and Hambleton 1938a, p. 51 [*Machaerium stipitatum*].

TYPE: Sex unknown; Pantaleon, Guatemala; British Mus.

DISTRIBUTION: Guatemala; Brazil.

HOST PLANT: *Machaerium stipitatum*.

***Leptopharsa guatemalensis** Drake and Poor

Leptopharsa guatemalensis Drake and Poor 1939a, p. 34 [Guatemala].

TYPE: Holotype ♂, macropterous; Polochic River, Guatemala; Drake Coll. (USNM).

DISTRIBUTION: Guatemala.

HOST PLANT: Unrecorded.

***Leptopharsa heidemanni** (Osborn and Drake)

Leptostyla heidemanni Osborn and Drake 1916a, p. 238 [Ark.; D.C.; Mass.].—McAtee 1917a, p. 63 [N.J.; La.; *Baptisia tinctoria*]; 1919, p. 144.—Parshley 1917b, p. 56; 1919b, p. 70.—Barber 1922a, p. 17; 1922b, p. 22.

Gelchossa heidemanni: McAtee 1923, p. 146 [Md.].—Parshley 1923b, p. 705, pl. 17, fig. 5 [Conn.].—Weiss and West 1924, p. 56 [Pa.].—Blatchley 1926, p. 477 [N.Y.].—Drake 1928b, p. 102.—Torre-Bueno 1929, p. 311.—Blöte 1945, p. 85 [Va.].

Leptopharsa heidemanni: Froeschner 1944, p. 669 [Mo.].—Hurd 1946, p. 466 [Ohio].—Bailey 1951, p. 37 [R.I.].

TYPE: Sex unknown; Arkansas, U.S.; Ohio State Univ.

DISTRIBUTION: U.S. (Mass.; R.I.; Conn.; N.Y.; N.J.; Pa.; Md.; D.C.; Va.; Ohio; Ind.; Ill.; Mo.; Iowa; Ark.; Okla.; La.; Miss.).

HOST PLANT: *Baptisia tinctoria*.

NOTE: Life history studies [Weiss and West; Bailey].

***Leptopharsa heveae** Drake and Poor

Leptopharsa heveae Drake and Poor 1935, p. 283, fig. 1 [Brazil; *Hevea braziliensis*].—Monte 1940b, p. 378.

TYPE: Holotype ♂, macropterous; Boa Vista Rio Tapajo, Brazil; USNM.

DISTRIBUTION: Brazil.

HOST PLANT: *Hevea braziliensis*.

***Leptopharsa hintoni** Drake

Leptopharsa hintoni Drake 1938a, p. 71 [Mexico].—Hurd 1946, p. 466 [Ariz.; Tex.].

TYPE: Holotype ♂; Tejupilco, Temascaltepec, Mexico; Cal. Acad.

DISTRIBUTION: Mexico; U.S. (Ariz.; Tex.).

HOST PLANT: Unrecorded.

***Leptopharsa hoffmani** Drake

Leptopharsa hoffmani Drake 1928d, p. 21 [Haiti].

TYPE: Holotype ♂, macropterous; Haiti; USNM.

DISTRIBUTION: Haiti.

HOST PLANT: Unrecorded.

***Leptopharsa hyaloptera** (Stål)

Leptostyla hyaloptera Stål 1873, p. 126 [Brazil].

Leptopharsa hyaloptera: Drake and Poor 1937d, p. 308.—Drake and Hambleton 1938a, p. 56 [*Psychotria suterella*].

TYPE: Sex unknown; Rio de Janeiro, Brazil; Stockholm Mus.

DISTRIBUTION: Brazil.

HOST PLANT: *Psychotria suterella*.

***Leptopharsa ignota** Drake and Hambleton

Leptopharsa ignota Drake and Hambleton 1934, p. 449 [Brazil; *Psychotria hancorniaefolia*].

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Psychotria hancorniaefolia*.

***Leptopharsa inannana** Drake

Leptopharsa inannana Drake 1953a, p. 13 [Cuba].

TYPE: Holotype ♂, macropterous; Imias, Cuba; Drake Coll. (USNM).

DISTRIBUTION: Cuba.

HOST PLANT: Unrecorded.

***Leptopharsa inaudita** Drake and Hambleton

Leptopharsa inaudita Drake and Hambleton 1938a, p. 62 [Brazil].

TYPE: Holotype ♂, macropterous; Itararé, São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Leptopharsa jubaris** Drake and Hambleton

Leptopharsa jubaris Drake and Hambleton 1945, p. 361 [Ecuador].

TYPE: Holotype ♂, macropterous; Pichilingue, Ecuador; Drake Coll. (USNM).

DISTRIBUTION: Ecuador.

HOST PLANT: Unrecorded.

***Leptopharsa laureata** Drake and Hambleton

Leptopharsa laureata Drake and Hambleton 1945, p. 360 [Peru].

TYPE: Holotype ♂, macropterous; Pucallpa, Peru; Drake Coll. (USNM).

DISTRIBUTION: Peru.

HOST PLANT: Unrecorded.

***Leptopharsa lauta** Drake and Hambleton

Leptopharsa lauta Drake and Hambleton 1945, p. 361 [Ecuador].

TYPE: Holotype ♂, macropterous; Vinces, Ecuador; Drake Coll. (USNM).

DISTRIBUTION: Ecuador.

HOST PLANT: Unrecorded.

***Leptopharsa lenitis** Drake (emendation)

Leptopharsa lenitis Drake 1930d, p. 272 [Peru; Brazil].

TYPE: Holotype ♀, macropterous; Peru; Drake Coll. (USNM).

DISTRIBUTION: Peru; Brazil.

HOST PLANT: Unrecorded.

***Leptopharsa lineata** (Champion)

Leptostyla lineata Champion 1897, p. 17, pl. 1, figs. 22, 22a [Guatemala].—Osborn and Drake 1915b, p. 536.

Leptopharsa lineata: Monte 1939b, p. 74 [Gramineae; Brazil].—Drake and Hambleton 1946b, p. 122.

TYPE: Sex unknown; San Isidro, Guatemala; British Mus.

DISTRIBUTION: Guatemala; Brazil; Peru; Argentina.

HOST PLANT: Gramineae.

Leptopharsa livida Monte

Leptopharsa livida Monte 1943d, p. 265, fig. 3 [Brazil].

TYPE: Holotype ♂; Viçosa, Minas Gerais, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Leptopharsa longipennis** (Champion)

Leptostyla longipennis Champion 1897, p. 13, pl. 1, figs. 16, 16a,b [Guatemala].

Leptopharsa longipennis: Hurd 1946, p. 466.

TYPE: Sex unknown; Panajachel, Guatemala; British Mus.

DISTRIBUTION: Guatemala.

HOST PLANT: Unrecorded.

***Leptopharsa luxa** Drake and Hambleton

Leptopharsa luxa Drake and Hambleton 1945, p. 361 [Ecuador].

TYPE: Holotype ♂, macropterous; Vinces, Ecuador; Drake Coll. (USNM).

DISTRIBUTION: Ecuador.

HOST PLANT: Unrecorded.

***Leptopharsa machaerii** Drake and Hambleton

Leptopharsa machaerii Drake and Hambleton 1934, p. 446 [Brazil; *Machaerium nictitans*].

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Machaerium nictitans*.

***Leptopharsa machalana** Drake and Hambleton

Leptopharsa machalana Drake and Hambleton 1946a, p. 12 [Ecuador; *Desmodium*].

TYPE: Holotype ♂, macropterous; Machala, Ecuador; Drake Coll. (USNM).

DISTRIBUTION: Ecuador.

HOST PLANT: *Desmodium* sp.

***Leptopharsa machalana** var. **vinnula** Drake and Hambleton

Leptopharsa machalana var. *vinnula* Drake and Hambleton 1946a, p. 13 [Fla.; Guatemala; *Desmodium*; Caesar's burr; beggars' lice].—Stahler 1946, p. 545, fig. 1 [*Boehmeria cylindrica drummondiana*; *Urena lobata*; *Bidens pilosa radiata*].

Leptopharsa [sic] *vinnula*: Gibson and Carrillo 1959, p. 19 [Mexico].

TYPE: Holotype ♂, macropterous; Fort Pierce, Florida, U.S.; USNM.

DISTRIBUTION: U.S. (Fla.); Mexico; Guatemala.

HOST PLANTS: *Bidens pilosa radiata*; *Boehmeria cylindrica drummondiana*; *Desmodium* sp.; *Urena lobata*.

NOTE: Fungus *Hirsutella* sp. found on adults [Stahler].

***Leptopharsa marginella** (Stål)

Monanthia (Tropidocheila) marginella Stål 1858, p. 62 [Brazil].

Monanthia marginella: Walker 1873a, p. 192.

Leptopharsa marginella: Stål 1873, p. 126.—Drake and Poor 1937d, p. 309, pl. 36, fig. 6.

TYPE: Sex unknown; Rio de Janeiro, Brazil; Stockholm Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Leptopharsa miconiae** Drake and Hambleton

Leptopharsa miconiae Drake and Hambleton 1938b, p. 55, fig. 2 [Brazil; *Miconia*].

TYPE: Holotype ♂, macropterous; Alto da Serra, São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Miconia* sp.

***Leptopharsa milleri** Drake

Leptopharsa milleri Drake 1954f, p. 6 [Congo; Rhodesia; polony].

TYPE: Holotype ♀; Salisbury, Southern Rhodesia; British Mus.

DISTRIBUTION: Southern Rhodesia; Congo.

HOST PLANT: Polony tree.

***Leptopharsa mira** Drake and Hambleton

FIGURE 2

Leptopharsa mira Drake and Hambleton 1934, p. 446 [Brazil; *Swartzia*].—Monte 1939b, p. 74 [*Cassia*; Annonaceae].

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANTS: *Cassia* sp.; *Swartzia* sp.; Annonaceae.

***Leptopharsa modica** Drake and Hambleton

Leptopharsa modica Drake and Hambleton 1939, p. 161 [Brazil].

TYPE: Holotype ♂, macropterous; São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Leptopharsa nota** Drake and Hambleton

Leptopharsa nota Drake and Hambleton 1938a, p. 52 [Brazil; *Rudgea blanchetiana*].

TYPE: Holotype ♂, macropterous; São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Rudgea blanchetiana*.

***Leptopharsa oblonga** (Say)

Tingis oblonga Say 1825, p. 325.—Le Conte 1859, p. 248 [Mo.].

Leptostyla oblonga: Stål 1873, p. 126 [N.J.].—Provancher 1886, p. 159 [Canada].—Van Duzee 1912, p. 323.—Drake 1916, p. 327 [Ark.; D.C.].—Osborn and Drake 1916a, p. 238.—McAtee 1917a, p. 62 [Nebr. Iowa; Ill.; Wis.; Md.; *Falcata comosa*; *Petalostemon*]; 1919, p. 144.—Parshley 1922b, p. 11 [S. Dak.].

Gelchossa oblonga: McAtee 1923, p. 147 [Va.].—Drake 1925c, p. 37 [*Amorpha fruticosa*].—Blatchley 1926, p. 477 [Ind.; *Kuhnistera*].—Blöte 1945, p. 85.

Leptopharsa oblonga: Froeschner 1944, p. 669.—Bailey 1951, p. 39.

TYPE: Missouri, U.S.; sex and deposition of type unknown.

DISTRIBUTION: U.S. (N.J.; Md.; D.C.; Va.; Ind.; Ill.; Wis.; Ark.; Mo.; Nebr.; Iowa; S. Dak.); Canada.

HOST PLANTS: *Amorpha fruticosa*; *Falcata comosa*; *Kuhnistera* sp.; *Petalostemon* sp.

***Leptopharsa ocoteae** Drake and Hambleton

Leptopharsa ocoteae Drake and Hambleton 1938a, p. 59, fig. 9 [Brazil; *Ocotea pretiosa*].

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Ocotea pretiosa*.

***Leptopharsa ogloblini** Drake

Leptopharsa ogloblini Drake 1936b, p. 701 [Argentina].—Drake and Hambleton 1938a, p. 51 [Brazil; *Machaerium pedicillatum*].

TYPE: Holotype ♀, macropterous; Loreto, Argentina; Leningrad Inst.

DISTRIBUTION: Argentina; Brazil.

HOST PLANT: *Machaerium pedicillatum*.

Leptopharsa ornata Monte

Leptopharsa ornata Monte 1940e, p. 294 [Bolivia].

TYPE: Holotype ♀; Sur Yungas, Chulumani, Bolivia; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Bolivia.

HOST PLANT: Unrecorded.

**Leptopharsa ovariantis* Drake and Hambleton

Leptopharsa ovariantis Drake and Hambleton 1945, p. 360 [Peru].

TYPE: Holotype ♂, macropterous; Tingo María, Peru; Drake Coll. (USNM).

DISTRIBUTION: Peru; Guatemala.

HOST PLANT: Unrecorded.

**Leptopharsa pacis* Drake and Hambleton

Leptopharsa pacis Drake and Hambleton 1939a, p. 160 [Brazil].—Drake 1948j, p. 434.—Silva 1956, p. 40.

Leptopharsa perbona (not Drake): Monte 1944b, p. 461, figs. 2, 3.

TYPE: Holotype ♀, macropterous; Baia, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

Leptopharsa pallens Monte

Leptopharsa pallens Monte 1943d, p. 267 [Peru].

TYPE: Holotype ♀; Satipo, Dep. Junin, Peru; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Peru.

HOST PLANT: Unrecorded.

**Leptopharsa papella* Drake

Leptopharsa papella Drake 1941a, p. 143 [Md.].—Hurd 1946, p. 466 [Ind.].

TYPE: Holotype ♀, macropterous; Ashton, Maryland, U.S.; USNM.

DISTRIBUTION: U.S. (Ind.; Md.).

HOST PLANT: Unrecorded.

**Leptopharsa partita* (Champion)

Leptostyla partita Champion 1898a, p. 48, pl. 3, fig. 26 [Mexico].

Leptopharsa partita: Hurd 1946, p. 466.

TYPE: Sex unknown; Pedregal, Mexico; British Mus.

DISTRIBUTION: Mexico.

HOST PLANT: Unrecorded.

**Leptopharsa paulana* Drake

Leptopharsa paulana Drake 1953a, p. 16 [Brazil].

TYPE: Holotype ♂, macropterous; São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

**Leptopharsa pensa* Drake and Hambleton

Leptopharsa pensa Drake and Hambleton 1939, p. 160 [Brazil; *Scleria myricocarpha*].

TYPE: Holotype ♂, macropterous; São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Scleria myricocarpha*.

***Leptopharsa perbona** Drake

Leptopharsa perbona Drake 1930a, p. 2 [Brazil]; 1948j, p. 434.—Drake and Bondar 1932, p. 91 [*Rudgea*].—Drake and Hambleton 1944b, p. 128.

Leptopharsa spectabilis Monte 1940c, p. 290, fig. 7.

TYPE: Holotype ♂; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil.

HOST PLANT: *Rudgea* sp.

***Leptopharsa peruensis** Drake

Leptopharsa peruensis Drake 1928a, p. 55 [Peru].

TYPE: Holotype ♀, macropterous; Peru; Drake Coll. (USNM).

DISTRIBUTION: Peru.

HOST PLANT: Unrecorded.

***Leptopharsa posoqueriae** Drake and Hambleton

Leptopharsa posoqueriae Drake and Hambleton 1938a, p. 56, fig. 8 [Brazil; *Posoqueria acutifolia*].

TYPE: Holotype ♂, macropterous; São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Posoqueria acutifolia*.

***Leptopharsa principis** Drake and Hambleton

Leptopharsa principis Drake and Hambleton 1938a, p. 54 [Brazil].—Monte 1939b, p. 75 [*Cassia*].

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Cassia* sp.

***Leptopharsa probala** Drake and Hambleton

Leptopharsa probala Drake and Hambleton 1938a, p. 57, fig. 3 [Brazil].—Monte 1939b, p. 75 [Leguminosae].

TYPE: Holotype ♀, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Leguminosae.

***Leptopharsa psychotriae** Drake and Hambleton

Leptopharsa psychotriae Drake and Hambleton 1939, p. 161 [Brazil; *Psychotria*].

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Psychotria* sp.

***Leptopharsa pudens** Drake and Hambleton

Leptopharsa pudens Drake and Hambleton 1938a, p. 52 [Brazil; *Machaerium*].

TYPE: Holotype ♂, macropterous; São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Machaerium* sp.

***Leptopharsa quadrata** Drake

Leptopharsa quadrata Drake 1954f, p. 7 [Natal].

TYPE: Holotype ♀, macropterous; Durban, Natal, South Africa; Drake Coll. (USNM).

DISTRIBUTION: South Africa (Natal).

HOST PLANT: Unrecorded.

***Leptopharsa retrusa** Drake and Hambleton

Leptopharsa retrusa Drake and Hambleton 1939, p. 159 [Brazil].

Leptodictya (Hanuala) retrusa: Monte 1941e, p. 107.

TYPE: Holotype ♂, macropterous; Belém, Pará, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Leptopharsa reuniona** Drake

Leptopharsa reuniona Drake 1957e, p. 404 [Reunion].

TYPE: Holotype ♂; Béloune, Reunion; Madagascar Sci. Inst.

DISTRIBUTION: Mascarene Islands (Reunion).

HOST PLANT: Unrecorded.

***Leptopharsa rudgeae** Drake and Hambleton

Leptopharsa rudgeae Drake and Hambleton 1934, p. 447 [Brazil; *Rudgea*].—Costa Lima 1936, p. 129.

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Rudgea* sp.

***Leptopharsa rumiana** Drake and Hambleton

Leptopharsa rumiana Drake and Hambleton 1946a, p. 11 [El Salvador; Guatemala; *Malvaviscus arboreus*].

TYPE: Holotype ♂, macropterous; San Andres, El Salvador; Drake Coll. (USNM).

DISTRIBUTION: El Salvador; Guatemala.

HOST PLANT: *Malvaviscus arboreus*.

***Leptopharsa ruris** Drake

Leptopharsa ruris Drake 1942a, p. 20 [Antigua].—Drake and Cobben 1960, p. 83, fig. 83 [St. Martin; *Croton flavens*].

TYPE: Holotype ♂, macropterous; Antigua, British West Indies; Drake Coll. (USNM).

DISTRIBUTION: Leeward Islands (Antigua; St. Martin).

HOST PLANT: *Croton flavens*.

***Leptopharsa satipona** Drake and Hambleton

Leptopharsa satipona Drake and Hambleton 1944b, p. 128 [Peru].

TYPE: Holotype ♂, macropterous; Satipo, Peru; Drake Coll. (USNM).

DISTRIBUTION: Peru.

HOST PLANT: Unrecorded.

***Leptopharsa sera** Drake and Poor

Leptopharsa sera Drake and Poor 1939a, p. 35 [Brazil; Bolivia].

TYPE: Holotype ♀, macropterous; Chapada, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil; Bolivia.

HOST PLANT: Unrecorded.

Leptopharsa setigera (Champion)

Leptostyla setigera Champion 1897, p. 14, pl. 1, figs. 18, 18a [Panama].

Leptopharsa setigera: Hurd 1946, p. 466.

TYPE: Sex unknown; Bugaba, Panama; British Mus.

DISTRIBUTION: Panama.

HOST PLANT: Unrecorded.

***Leptopharsa siderea** Drake and Hambleton

Leptopharsa siderea Drake and Hambleton 1946a, p. 13 [Guatemala].

TYPE: Holotype ♀, macropterous; Esquintla, Guatemala; Drake Coll. (USNM).

DISTRIBUTION: Guatemala.

HOST PLANT: Unrecorded.

***Leptopharsa simulans** (Stål)

Monanthia (Phyllontocheila) simulans Stål 1858, p. 61 [Brazil].

Monanthia (Gargaphia) simulans: Stål 1862, p. 324.

Monanthia simulans: Walker 1873a, p. 192.

Gargaphia simulans: Stål 1873, p. 124.—Lethierry and Severin 1896, p. 13.—Drake and Poor 1937d, p. 310, pl. 36, fig. 8.—Monte 1941e, p. 119.

Leptopharsa scita Drake and Hambleton 1939, p. 160.

Leptopharsa simulans: Monte 1947a, p. 236.

TYPE: Holotype ♀; Rio de Janeiro, Brazil; Stockholm Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

Leptopharsa sobrina Monte

Leptopharsa sobrina Monte 1940b, p. 377 [Brazil; *Aspidosperma warmingii*].

TYPE: Holotype ♀; Belo Horizonte, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: *Aspidosperma warmingii*.

***Leptopharsa tenuatis** Drake

Leptopharsa tenuatis Drake 1928a, p. 52 [Brazil].—Monte 1939b, p. 75 [*Dalbergia*].

TYPE: Holotype ♂, macropterous; Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Dalbergia* sp.

***Leptopharsa tenuis** (Champion)

Leptostyla tenuis Champion 1897, p. 18, pl. 1, figs. 25, 25 a, b [Guatemala].

Leptopharsa tenuis: Drake and Hambleton 1945, p. 360 [*Ichthyomethia grandifolia*].

TYPE: Sex unknown; Capetillo, Guatemala; British Mus.

DISTRIBUTION: Guatemala.

HOST PLANT: *Ichthyomethia grandifolia*.

Leptopharsa unicarinata Champion

Leptopharsa unicarinata Champion 1897, p. 21, pl. 2, figs. 7, 7a [Panama].

TYPE: Sex unknown; Volcan de Chiriqui, Panama; British Mus.

DISTRIBUTION: Panama.

HOST PLANT: Unrecorded.

***Leptopharsa usingeri** Drake

Leptopharsa usingeri Drake 1938a, p. 72 [Mexico].

TYPE: Holotype ♀; Temascaltepec, Mexico; Cal. Acad.

DISTRIBUTION: Mexico.

HOST PLANT: Unrecorded.

***Leptopharsa valida** Drake and Hambleton

Leptopharsa valida Drake and Hambleton 1938a, p. 54 [Brazil; *Condylocarpon rauwolfiae*].

TYPE: Holotype ♂, macropterous; São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Condylocarpon rauwolfiae*.

Leptopharsa variegata Monte

Leptopharsa variegata Monte 1943d, p. 267 [Brazil].

TYPE: Holotype ♂; São Paulo, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Leptopharsa velifer** (McAtee)*Leptostyla velifer* McAtee 1917a, p. 60 [Ariz.].*Leptopharsa velifer*: Hurd 1946, p. 466.

TYPE: Holotype ♀, macropterous; Arizona, U.S.; USNM.

DISTRIBUTION: U.S. (Ariz.).

HOST PLANT: Unrecorded.

***Leptopharsa vicina** Drake and Poor*Leptopharsa vicina* Drake and Poor 1939a, p. 33 [Haiti].

TYPE: Holotype ♂, macropterous; Williamson, Haiti; Drake Coll. (USNM).

DISTRIBUTION: Haiti.

HOST PLANT: Unrecorded.

Leptopharsa vittipennis (Stål)*Leptostyla vittipennis* Stål 1873, p. 126 [Brazil].*Leptopharsa vittipennis*: Drake and Poor 1937d, p. 307, pl. 36, fig. 11 [Peru].—Drake and Hambleton 1938a, p. 52.—Monte 1940e, p. 292.*Leptopharsa vittipennis* [sic]: Monte 1941e, p. 120.—Silva 1956, p. 41, fig. 14 [*Artocarpus integrifolia*].

TYPE: Holotype ♂; Rio de Janeiro, Brazil; Stockholm Mus.

DISTRIBUTION: Brazil; Peru.

HOST PLANT: *Artocarpus integrifolia*.***Leptopharsa zeteki** Drake*Leptopharsa zeteki* Drake 1939f, p. 69 [Canal Zone].

TYPE: Holotype ♂, macropterous; Barro Colorado Island, Panama Canal Zone; Drake Coll. (USNM).

DISTRIBUTION: Panama (Canal Zone).

HOST PLANT: Unrecorded.

Genus LEPTOYPHA Stål*Leptoyppha* Stål 1873, pp. 121, 129.—Lethierry and Severin 1896, p. 21.—Van Duzee 1916, p. 26; 1917b, pp. 220, 817.—McAtee 1917a, p. 55 (key).—Blatchley 1926, p. 498 (key).—Monte 1941e, p. 121.—Hurd 1946, p. 456.—Bailey 1951, p. 27.—Drake and Maa 1953, p. 94.—Drake and Ruhoff 1960a, p. 65.—Stichel 1960b, p. 400; 1960c, p. 139.*Tingis* (*Birgitta*) Lindberg 1927, p. 18.—Drake and Ruhoff 1960a, p. 40.TYPE SPECIES: *Tingis mutica* Say.***Leptoyppha anceps** (Horváth)*Paracopium* ? *anceps* Horváth 1925a, p. 9 [Queensland].*Leptoyppha anceps*: Drake 1947c, p. 112.

TYPE: Holotype ♂; Yarrabah, Queensland, Australia; Stockholm Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Leptoypha barberi** Drake and Ruhoff

Leptoypha brevicornis (not Champion): Barber 1910, p. 38 [Ariz.].—Van Duzee 1917b, p. 220 (in part).

Leptoypha minor (not McAtee 1917a): McAtee 1919, p. 142 (in part).—Hurd 1946, p. 457 [*Fraxinus berlandierana*].

Leptoypha barberi Drake and Ruhoff 1960d, p. 152, fig. 1.

TYPE: Holotype ♂, macropterous; Huachuca Mountains, Arizona, U.S.; Barber Coll. (USNM).

DISTRIBUTION: U.S. (Ariz.).

HOST PLANT: *Fraxinus berlandierana*.

***Leptoypha binotata** Champion

Leptoypha binotata Champion 1897, p. 32, pl. 2, fig. 27 [Guatemala].

TYPE: Sex unknown; Cerro Zunil, Guatemala; British Mus.

DISTRIBUTION: Guatemala.

HOST PLANT: Unrecorded.

***Leptoypha braziliensis** Drake and Hambleton

Leptoypha braziliensis Drake and Hambleton 1939, p. 154 [Brazil].

TYPE: Holotype ♀, macropterous; Amazon region, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Leptoypha brevicornis** Champion

Leptoypha brevicornis Champion 1897, p. 32, pl. 2, fig. 28 [Mexico].—Van Duzee 1917b, p. 220 (in part).

TYPE: Sex unknown; Omilteme, Guerrero, Mexico; British Mus.

DISTRIBUTION: Mexico.

HOST PLANT: Unrecorded.

***Leptoypha capitata** (Jakovlev)

Monanthia capitata Jakovlev 1876a, p. 110 [Siberia].

Monosteira capitata: Lethierry and Severin 1896, p. 25.—Horváth 1906a, p. 106.—Kiritshenko 1913b, p. 482.

Monostira capitata: Oshanin 1908, p. 456; 1912, p. 46.

Tingis (Birgitta) tenuimarginata Lindberg 1927, p. 19, fig. 5.

Leptoypha capitata: Kiritshenko 1931, p. 269 [*Malus manschurica*; *Pyrus ussuriensis*].—Drake and Maa 1953, p. 94 [China; Japan].

TYPE: Holotype ♀, macropterous; Ussuri, Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R. (Siberia); Japan; China.

HOST PLANTS: *Malus manschurica*; *Pyrus ussuriensis*.

***Leptoypha costata** Parshley

Leptoypha costata Parshley 1917a, 16 [Md.].—McAtee 1917a, p. 57; 1919, p. 143 [ash]; 1923, p. 146 [*Fraxinus caroliniana*].—Drake 1918d, p. 87 [Colo.; Ark.; Ill.]; 1925c, p. 38 [Miss.].—Blatchley 1926, p. 498.—Bailey 1951, p. 27 [Conn.; La.; *Hicoria alba*].

Leptoypha distinguenda Heidemann 1917, p. 218, pl. 17, fig. 1 [D.C.; Va.; *Hamamelis*].

TYPE: Holotype ♀; Marshall Hall, Maryland, U.S.; MCZ.

DISTRIBUTION: U.S. (Conn.; Md.; D.C.; Va.; Miss.; La.; Ark.; Ill; Colo.).

HOST PLANTS: *Fraxinus caroliniana*; *Hicoria alba*; *Hamamelis* sp.

****Leptoypha drakei* McAtee**

Leptoypha mutica (not Say): Uhler 1893b, p. 264.

Leptoypha brevicornis (not Champion): McAtee 1917a, p. 59; 1919, p. 143.

Leptoypha drakei McAtee 1919, p. 143 [Calif.; Tex.].—Hurd 1946, p. 457 [Ariz.].

TYPE: Holotype ♂, macropterous; Argus Mountains, California, U.S.; USNM.

DISTRIBUTION: U.S. (Calif.; Ariz.; Tex.).

HOST PLANT: Ash.

****Leptoypha elliptica* McAtee**

Leptoypha elliptica McAtee 1917a, p. 57 [Tex.]; 1919, p. 143.—Drake 1918d, p. 87 [Ga.; Fla.; *Ilex*].—Blatchley 1926, p. 499 [Ind.].—Froeschner 1944, p. 670 [Mo.].

TYPE: Holotype ♂, macropterous; Texas, U.S.; USNM.

DISTRIBUTION: U.S. (Tex.; Fla.; Ga.; Tenn.; Ind.; Mo.).

HOST PLANT: *Ilex* sp.

****Leptoypha hospita* Drake and Poor**

Leptoypha hospita Drake and Poor 1937a, p. 12 [Penang]; 1937b, p. 402.

TYPE: Holotype ♀, macropterous; Penang Island, Straits Settlements; USNM.

DISTRIBUTION: Federation of Malaya (Penang Island); China.

HOST PLANT: Unrecorded.

****Leptoypha ilicis* Drake**

Leptoypha ilicis Drake 1919a, p. 420 [Ga.; *Ilex*].—Blatchley 1926, p. 500 [Fla.]; 1928, p. 5 [*Vaccinium*].—Hurd 1946, p. 457 [Tex.; Okla.].—Bailey 1951, p. 28.

TYPE: Holotype ♂, macropterous; Stone Mountain, Georgia, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Ga.; Fla.; Tex.; Okla.).

HOST PLANTS: *Ilex* sp.; *Vaccinium* sp.

****Leptoypha luzona* Drake and Ruhoff**

Leptoypha luzona Drake and Ruhoff 1961b, p. 140 [Luzon].

TYPE: Holotype ♂, macropterous; Los Banos, Philippines; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Luzon).

HOST PLANT: Unrecorded.

***Leptoypha mcateei** Drake

Leptoypha mcateei Drake 1921b, p. 49 [Fla.; *Osmanthus americana*].—
Blatchley 1926, p. 499 [*Xolisma ferruginea*].

Leptoypha mcatella [sic]: Drake 1925c, p. 38.

TYPE: Holotype ♂, macropterous; Gainesville, Florida, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Fla.).

HOST PLANTS: *Osmanthus americana*; *Xolisma ferruginea*.

***Leptoypha minor** McAtee

Leptoypha minor McAtee 1917a, p. 56 [Calif.]; 1919, p. 142 (in part).—
Van Duzee 1917a, p. 260.—Drake 1918d, p. 87 (in part).—Usinger
1946b, p. 286, figs. [*Populus candicans*; *Fraxinus velutina*; *Fraxinus
oregona*; olive].—Drake and Ruhoff 1962a, p. 156.

Leptoypha nubilis Drake 1941b, p. 141 [*Ceanothus*].

TYPE: Holotype ♂, macropterous; Siskiyou County, California, U.S.; USNM.

DISTRIBUTION: U.S. (Calif.).

HOST PLANTS: *Ceanothus* sp.; *Fraxinus oregona*; *Fraxinus velutina*; *Populus candicans*; "olive tree next to infested ash."

NOTE: Life history study [Usinger].

***Leptoypha morrisoni** Drake

Leptoypha morrisoni Drake 1922b, p. 43 [Dominican Republic].—Drake
and Bruner 1924a, p. 146.—Gowdy 1926, p. 35.—Drake and Ham-
bleton 1939, p. 155 [Canal Zone].—Hurd 1946, p. 457 [Fla.].

Leptoypha binotata ? (not Champion): Van Duzee 1907, p. 21 [Jamaica].

TYPE: Holotype ♂, macropterous; San Pedro de Macoris, Dominican Republic; USNM.

DISTRIBUTION: Dominican Republic; Panama (Canal Zone); Jamaica; Haiti; Cuba; U.S. (Fla.).

HOST PLANT: Mangle.

***Leptoypha mutica** (Say)

Tingis mutica Say 1832, p. 27 [Ind.].—Fitch 1858, p. 794.—Le Conte
1859, p. 349.

Monanthia mutica: Walker 1873a, p. 190.

Leptoypha mutica: Stål 1873, p. 129 [Tex.].—Provancher 1886, p. 160
[Que.].—Uhler 1886, p. 22.—Champion 1898b, p. 61.—Wirtner
1904, p. 203 [Pa.].—Smith 1910, p. 149 [N.J.].—Banks 1910, p. 57.—
Van Duzee 1912, p. 323.—Dickerson and Weiss 1916, p. 308, pl. 16
[*Chionanthus virginica*].—McAtee 1917a, p. 58 [D.C.; Nebr.; Wis.;
Ohio; Ont.; Tenn.; *Fraxinus*]; 1919, p. 143; 1923, p. 146.—Drake
1918d, p. 87 [Mich.; Ill.; Md.; Va.; Ga.; *Adelia acuminata*]; 1928b,
p. 102 [N.Y.].—Barber 1914, p. 507 [Fla.].—Barber and Weiss 1922,
p. 14, fig. 8.—Hussey 1922a, p. 11 [N. Dak.]; 1922b, p. 22 [*Fraxinus*

americana].—Parshley 1922a, p. 236 [Mass.]; 1922b, p. 11 [S. Dak.]; 1923b, p. 706 [Conn.].—Blatchley 1926, p. 500, fig. 121.—Froeschner 1944, p. 670 [Mo.].—Bailey 1951, p. 28 [Maine; N.H.]; 1959, p. 63.

Leptophya [sic] *mutica*: Osborn and Drake 1916a, p. 241, pl. 10, fig. b.

TYPE: Indiana, U.S.; type apparently lost.

DISTRIBUTION: U.S. (Maine; N.H.; Mass.; Conn.; N.Y.; N.J.; Pa.; Md.; D.C.; Va.; N.C.; S.C.; Ga.; Fla.; Tenn.; Ind.; Ohio; Ill.; Nebr.; Kans.; Wis.; Mich.; Mo.; Iowa; S. Dak.; N. Dak.; Tex.; Minn.); Canada (Ont.; Que.); Mexico (Socorro Island).

HOST PLANTS: *Adelia acuminata*; *Chionanthus virginica*; *Fraxinus americana*; *Fraxinus* sp.

NOTE: Taken at light [Drake 1918d]. Life history studies [Dickerson and Weiss; Bailey].

**Leptoypha wuorentausi* (Lindberg)

Tingis (*Birgitta*) *wuorentausi* Lindberg 1927, p. 18, fig. 4 [Russia].

Tingis (*Birgitta*) *crispifolii* Takeya 1932, p. 12, pl. 1, fig. 3 [Korea; *Fraxinus mandshurica japonica*]; 1951a, p. 17.

Tingis crispifolii: Saitô 1933, p. 7 [*Fraxinus pubinervis*; *Fraxinus rhynchophylla*].

Leptoypha wuorentausi: Drake and Maa 1953, p. 95.

TYPE: Sex unknown; Ussuri, Spasskaja, Russia; Helsin. Mus.

DISTRIBUTION: U.S.S.R. (Siberia); Korea.

HOST PLANTS: *Fraxinus mandshurica japonica*; *Fraxinus pubinervis*; *Fraxinus rhynchophylla*.|

Genus LEPTURGA Stål

Lepturga Stål 1873, pp. 119, 124.—Drake 1943b, pp. 175–177.—Drake and Ruhoff 1960a, p. 66.

TYPE SPECIES: *Lepturga nigritarsis* Stål.

**Lepturga dignata* Drake

Lepturga dignata Drake 1943b, p. 176 [New Guinea]; 1960, p. 367, fig. 19.

TYPE: Holotype ♀, macropterous; Madang, New Guinea; Drake Coll. (USNM).

DISTRIBUTION: New Guinea.

HOST PLANT: Unrecorded.

NOTE: The type locality (Drake 1943b) is incorrectly given as “Pedang, Pedang, New Guinea.” The label on the type specimen reads “F. Wilhelmshaven, Germ. N. Guinea” which today is known as “Madang.” The distribution record (Drake 1960) of “Penang I., Malaya” is also in error.

***Lepturga magnifica** (Hacker)

Leptobyrsa magnifica Hacker 1929, p. 331, pl. 35, fig. 13 [Queensland].

Lepturga magnifica: Drake 1943b, p. 176.

TYPE: Sex unknown; Mt. Tambourine, Queensland, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Lepturga major** (Hacker)

Leptobyrsa major Hacker 1929, p. 332, pl. 35, fig. 14 [Queensland].

Lepturga major: Drake 1943b, p. 176.

TYPE: Sex unknown; Blackbutt, Queensland, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Lepturga nigratarsis** Stål

Lepturga nigratarsis Stål 1873, p. 124 [Queensland].—Lethierry and

Severin 1896, p. 13.—Drake 1943b, p. 175.

TYPE: Holotype ♀; Cape York, Australia; Stockholm Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

Genus LIOTINGIS Drake

Liotingis Drake 1930d, p. 270.—Drake and Hambleton 1935, p. 146.—

Monte 1939b, p. 76; 1941e, p. 122.—Drake and Ruhoff 1960a, p. 66.

TYPE SPECIES: *Liotingis evidens* Drake.

***Liotingis affinata** Drake and Hambleton

Liotingis affinatus Drake and Hambleton 1935, p. 147 [Brazil;

Aspidosperma].

TYPE: Holotype ♂, macropterous; São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Aspidosperma* sp.

***Liotingis aspidospermae** Drake and Hambleton

Liotingis aspidospermae Drake and Hambleton 1935, p. 147, fig. 3 [Brazil;

Aspidosperma].

TYPE: Holotype ♂, macropterous; São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Aspidosperma* sp.

***Liotingis evidens** Drake (emendation)

Liotingis evidentis Drake 1930d, p. 271 [Brazil].—Drake and Hambleton

1935, p. 146; 1938a, p. 63.—Monte 1939b, p. 76 [*Aspidosperma*].

TYPE: Holotype ♀, macropterous; Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Aspidosperma* sp.

**Liotingis immaculata* (Drake and Hambleton)

Allotisingis immaculata Drake and Hambleton 1934, p. 443 [Brazil; *Aspidosperma*].—Costa Lima 1936, p. 125.

Liotingis immaculata: Drake and Hambleton 1935, p. 146.

TYPE: Holotype ♀, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Aspidosperma* sp.

Genus LULLIUS Distant

Lullius Distant 1904, p. 429.—Drake and Ruhoff 1960a, p. 24.

TYPE SPECIES: *Lullius major* Distant.

**Lullius insolens* Drake

Lullius insolens Drake 1944a, p. 68 [Cape Province].

TYPE: Holotype ♂, macropterous; Camps Bay, Cape Peninsula, Africa; Drake Coll. (USNM).

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

**Lullius major* Distant

Lullius major Distant 1904, p. 430, pl. 8, fig. 7 [Cape Province].—Drake 1956f, p. 429; 1961c, p. 130.

TYPE: Sex unknown; Cape Colony, South Africa; British Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

**Lullius spinifemur* Drake

PLATE 15

Lullius spinifemur Drake 1961c, p. 130, pl. 10 [Cape Province].

TYPE: Holotype ♂; Seven Weeks Poort, Laingsburg District, West Cape Province, South Africa; Natal Museum, Pietermaritzberg, Natal, South Africa.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

Genus MACROCORYTHA Stål

Corythucha (*Macrocorytha*) Stål 1873, p. 123.

Macrocorytha: Drake and Ruhoff 1960a, p. 66.

TYPE SPECIES: *Tingis rhomboptera* Fieber.

Macrocorytha rhomboptera (Fieber)

Tingis rhomboptera Fieber 1844, p. 103, pl. 8, figs. 37, 38 [Luzon; Malvaceae].—Herrich-Schaeffer 1850, p. 161.

Corythucha (*Macrocorytha*) *rhomboptera*: Stål 1873, p. 123.

Corythucha rhomboptera: Lethierry and Severin 1896, p. 11.

Macrocorytha rhomboptera: Drake and Ruhoff 1960a, p. 66.

TYPE: Sex unknown; Luzon, Philippine Islands; Vienna Mus.

DISTRIBUTION: Philippine Islands (Luzon).

HOST PLANT: Malvaceae.

Genus MACROTINGIS Champion

Macrotisingis Champion 1897, p. 22.—Hurd 1946, p. 469.—Drake and Ruhoff 1960a, p. 66.

TYPE SPECIES: *Macrotisingis biseriata* Champion.

***Macrotisingis biseriata** Champion

Macrotisingis biseriata Champion 1897, p. 22, pl. 2, figs. 8, 8a, b [Panama].—Drake 1928e, p. 4 [Honduras].

TYPE: Sex unknown; Panama; British Mus.

DISTRIBUTION: Panama; Honduras.

HOST PLANT: Unrecorded.

***Macrotisingis biseriata** var. **novicis** Drake

Macrotisingis biseriata var. *novicis* Drake 1928e, p. 4 [Honduras].

TYPE: Holotype ♂; Progreso, Honduras; Michigan Univ.

DISTRIBUTION: Honduras.

HOST PLANT: Unrecorded.

NOTE: Taken at light.

Macrotisingis uniseriata Champion

Macrotisingis uniseriata Champion 1897, p. 22, pl. 2, figs. 9, 9a [Guatemala].

TYPE: Sex unknown; Capetilla, Guatemala; British Mus.

DISTRIBUTION: Guatemala.

HOST PLANT: Unrecorded.

***Macrotisingis zeteki** Drake

Macrotisingis zeteki Drake 1950b, p. 299 [Canal Zone].

TYPE: Holotype ♂, macropterous; Barro Colorado Island, Panama Canal Zone; USNM.

DISTRIBUTION: Panama (Canal Zone).

HOST PLANT: Unrecorded.

Genus MAFA Hesse

Mafa Hesse 1925, p. 88.—Drake and Ruhoff 1960a, p. 67.

TYPE SPECIES: *Mafa lanceolata* Hesse.

***Mafa lanceolata** Hesse

Mafa lanceolata Hesse 1925, p. 89, pl. 4, fig. 4 [South-West Africa].

TYPE: Sex unknown; brachypterous form; Mafa, Ovamboland, South-West Africa; So. Afr. Mus.

DISTRIBUTION: South-West Africa.

HOST PLANT: Unrecorded.

Genus MALANDIOLA Horváth

Malandiola Horváth 1925a, p. 13.—Drake and Ruhoff 1960a, p. 67.

TYPE SPECIES: *Malandiola simplex* Horváth.

***Malandiola acares** Drake and Ruhoff

Malandiola acares Drake and Ruhoff 1962d, p. 494 [Queensland].

TYPE: Holotype ♂, macropterous; Bluff, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Malandiola minys** Drake and Ruhoff

Malandiola minys Drake and Ruhoff 1962d, p. 493 [Queensland].

TYPE: Holotype ♂; Castle Hill, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Malandiola semota** Drake

Malandiola semota Drake 1942b, p. 360 [Victoria; South Australia].—

Drake and Ruhoff 1962b, p. 250.

TYPE: Holotype ♂, macropterous; Murray Bridge, South Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (South Australia; Victoria; Western Australia).

HOST PLANT: Tea tree (myrtaceous shrubs).

***Malandiola similis** Hacker

Malandiola similis Hacker 1927, p. 21, pl. 9, fig. 11 [Queensland].

Melandiola [sic] *similis*: Drake and Poor 1937b, p. 402 [New South Wales].

TYPE: Sex unknown; Sunnybank, Queensland, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland; Bribie Island; New South Wales).

HOST PLANT: Unrecorded.

Malandiola simplex Horváth

Malandiola simplex Horváth 1925a, p. 14, fig. 8 [Queensland].

TYPE: Holotype ♂; Malanda, Queensland, Australia; Stockholm Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Malandiola syscena** Drake and Ruhoff

Malandiola syscena Drake and Ruhoff 1962d, p. 788 [Northern Territory].

TYPE: Holotype ♀, macropterous; Darwin, Northern Territory, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Northern Territory).

HOST PLANT: Unrecorded.

Genus MECOPHARSA Drake

Mecopharsa Drake 1953b, p. 96.—Drake and Ruhoff 1960a, p. 67.

TYPE SPECIES: *Mecopharsa hackeri* Drake.

***Mecopharsa hackeri** Drake

PLATE 39

Macropharsa [sic] *hackeri* Drake 1953b, p. 97 [Queensland].—Drake and Davis 1960, fig. 48.

TYPE: Holotype ♀, macropterous; Connondal, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

NOTE: Through typographical errors the generic name *Mecopharsa* was spelled *Mecropharsa* and *Macropharsa* (Drake 1953b, p. 97).

***Mecopharsa secta** Drake

Mecopharsa secta Drake 1960, p. 366, fig. 18 [New Guinea].

TYPE: Holotype ♀, macropterous; Eubenangee, New Guinea; Drake Coll. (USNM).

DISTRIBUTION: New Guinea.

HOST PLANT: Unrecorded.

Genus MEGALOCYSTA Champion

Megalocysta Champion 1897, p. 5.—Monte 1942c, p. 301.—Hurd 1946, p. 474.—Drake and Ruhoff 1960a, p. 67.

TYPE SPECIES: *Megalocysta pellucida* Champion.

***Megalocysta pellucida** Champion

Megalocysta pellucida Champion 1897, p. 6, pl. 1, figs. 5, 5a, b, c [Panama].—Monte 1942c, p. 301.

TYPE: Sex unknown; Panama; British Mus.

DISTRIBUTION: Panama.

HOST PLANT: Unrecorded.

Genus MELANORHOPALA Stål

Tingis (*Melanorhopala*) Stål 1873, p. 130.

Tingis (not Fabricius): Uhler 1886, p. 22.—Banks 1910, p. 57.

Melanorhopala: Horváth 1908, p. 564.—Van Duzee 1916, p. 26; 1917b, pp. 220, 818.—Parshley 1917a, p. 17 (key).—Blatchley 1926, p. 490 (key).—Hurd 1946, p. 446.—Drake and Ruhoff 1960a, p. 68.

TYPE SPECIES: *Tingis* (*Melanorhopala*) *clavata* Stål.

***Melanorhopala balli Drake**

Melanorhopala balli Drake 1928f, p. 3 [Colo.].

TYPE: Holotype ♀, brachypterous; Fort Collins, Colorado, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Colo.).

HOST PLANT: Unrecorded.

***Melanorhopala clavata (Stål)**

Tingis (Melanorhopala) clavata Stål 1873, p. 130 [N.Y.; Wis.].—Parshley 1914, p. 145 [Maine].

Tingis (Melanorhopala) lurida Stål 1873, p. 131 [Ill.].

Tingis (Melanorhopala) uniformis Stål 1873, p. 131.

Cantacader henshawi Ashmead 1886, p. 20 [Mass.].—Lethierry and Severin 1896, p. 4.

Lasiacantha clavata: Lethierry and Severin 1896, p. 19.

Lasiacantha lurida: Lethierry and Severin 1896, p. 19.

Lasiacantha uniformis: Lethierry and Severin 1896, p. 19.

Melanorhopala clavata: Horváth 1908, p. 564.—Torre-Bueno 1908, p. 231; 1910, p. 30.—Smith 1910, p. 149 [N.J.].—Osborn and Drake 1916a, p. 244, pl. 8, fig. a; pl. 10, fig. d; 1917a, p. 159, pl. 8, figs. a-c [Iowa; Nebr.].—Van Duzee 1917b, p. 220 [Man.].—Parshley 1917b, p. 56 [R.I.; Conn.]; 1919c, p. 102; 1920a, p. 274; 1923b, p. 706, pl. 17, fig. 3.—Barber 1922a, p. 17.—Drake 1922d, p. 66; 1926b, p. 376, pl. 34, fig. b [Colo.; oak]; 1928b, p. 102; 1930d, p. 269.—Blatchley 1926, p. 491, pl. 4, fig. 3; figs. 116, 117 [Ind.].—Froeschner 1944, p. 670 [Mo.].—Proctor 1946, p. 75.—Hurd 1946, p. 446 [Wyo.].—Bailey 1951, p. 21 [Fla.; N.H.; *Solidago*].

Tingis clavata: Osborn and Drake 1915a, p. 506 [Ohio].

Melanorhopala lurida: Osborn and Drake 1916a, p. 244, pl. 8, fig. b; 1917a, p. 160, pl. 8, figs. g, h.—Van Duzee 1917b, p. 220 [Kans.].—Parshley 1917a, p. 19.—Hussey 1922a, p. 11 [N. Dak.].—Drake 1926b, pl. 34, fig. a.

Melanorhopala uniformis: Osborn and Drake 1916a, p. 245, pl. 8, fig. c [S. Dak.]; 1917a, p. 160, pl. 8, fig. f.—Parshley 1917a, p. 19.—Drake 1926b, pl. 34, fig. c.

Melanorhopala obscura Parshley 1916a, p. 167; 1917b, p. 57; 1917c, p. 47.

Melanorhopala reflexa Blatchley 1926, p. 492.

TYPE: Unknown.

DISTRIBUTION: U.S. (Maine; N.H.; Mass.; R.I.; Conn.; N.Y.; N.J.; Fla.; Ohio; Ill.; Ind.; Kans.; Nebr.; Mo.; Wis.; Iowa; Wyo.; N. Dak.; S. Dak; Colo.); Canada (Man.).

HOST PLANTS: *Solidago* sp.; oak.

NOTE: Discovered in ocean drift [Parshley 1916a].

***Melanorhopala infuscata** Parshley

Melanorhopala infuscata Parshley 1917a, p. 19, fig. 1a [Va.; *Liriodendron*]; 1920a, p. 274.—McAtee 1923, p. 145 [D.C.; *Ceanothus americanus*].—Blatchley 1926, p. 493 [Md.; *Ceanothus*].—Bailey 1951, p. 22.

TYPE: Holotype ♂; Falls Church, Virginia, U.S.; MCZ.

DISTRIBUTION: U.S. (Md.; D.C.; Va.).

HOST PLANTS: *Ceanothus americanus*; *Ceanothus* sp.; *Liriodendron* sp.

Genus MONOSTEIRA Costa

Monosteira Costa 1863, p. 7.—Lethierry and Severin 1896, p. 25.—Horváth 1906a, pp. 15, 104 (key).—Stichel 1926, pp. 105, 116 (key); 1960a, p. 343; 1960b, p. 401; 1960c, p. 140.—de Seabra 1931, p. 438.—Silvestri 1934, p. 259.—Kiritshenko 1951, pp. 243, 254.—Drake and Ruhoff 1960a, p. 69.

Monostira [sic]: Oshanin 1908, p. 454; 1912, p. 46.—Stichel 1935, p. 349; 1938a, p. 408.—Gulde 1938, pp. 245, 319 (key).—Gomez-Menor 1949, p. 158; 1950, p. 2; 1954, p. 382; 1955a, p. 257.—Priesner and Alfieri 1953, pp. 63, 65.

TYPE SPECIES: *Monanthia unicornis* Mulsant and Rey.

***Monosteira discoidalis** (Jakovlev)

Monanthia (*Monosteira*) *discoidalis* Jakovlev 1883, p. 107 [Russia].

Monosteira discoidalis: Lethierry and Severin 1896, p. 25 [Turkmen].—Horváth 1906a, p. 106 [Turkestan].

TYPE: Holotype ♂, macropterous; Tajikistan, Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R. (Turkestan; Turkmen).

HOST PLANT: Unrecorded.

***Monosteira inermis** Horváth

Monosteira inermis Horváth 1899, p. 449 [Turkestan]; 1906a, p. 106.—Kiritshenko 1959, p. 105.

TYPE: Holotype ♀; Turkestan, Russia; Hungarian Mus.

DISTRIBUTION: U.S.S.R. (Turkestan).

HOST PLANT: Unrecorded.

***Monosteira lobulifera** Reuter

Monosteira lobulifera Reuter 1888, p. 225 [Greece]; 1891a, p. 27.—Horváth 1906a, p. 105 [Syria].—Hoberlandt 1955, p. 95 [Turkey; Israel; Transcaucasus; *Quercus coccifera*; *Quercus ilex*].

Monostira lobulifera: Priesner and Alfieri 1953, p. 66 [Egypt; *Salix*].

TYPE: Attica, Greece; sex and deposition of type unknown.

DISTRIBUTION: Greece; Turkey; Syria; Israel; U.S.S.R. (Transcaucasus); Egypt.

HOST PLANTS: *Quercus coccifera*; *Quercus ilex*; *Salix* sp.

****Monosteira minutula* Montandon**

Monosteira minutula Montandon 1897, p. 101 [Algeria].—Horváth 1906a, p. 106 [Tunisia; Egypt].—Drake 1957a, p. 420 [Aden; Yemen; *Indigofera*].

Monostira minutula: Priesner and Alfieri 1953, p. 66 [*Zizyphus spinachristi*].

TYPE: Sex unknown; Taguin, Algeria; Bucharest Mus.

DISTRIBUTION: Algeria; Tunisia; Egypt; Senegal; Yemen; Aden Protectorate.

HOST PLANTS: *Indigofera* sp.; *Zizyphus juguba*; *Zizyphus spinachristi*.

NOTE: Taken at light [Priesner and Alfieri].

****Monosteira unicostata* (Mulsant and Rey)**

Monanthia unicostata Mulsant and Rey 1852a, p. 134 [France]; 1852b, p. 153.—Fieber 1861, p. 383.—Walker 1873a, p. 187.—Stål 1874, p. 58.—Horváth 1874b, p. 432 [Hungary].—Ferrari 1878, p. 66.—Bolivar and Chicote 1879, p. 166.

Monanthia aliena Fieber 1861, p. 124 [Turkey; Syria].—Walker 1873a, p. 185.—Jakovlev 1876b, p. 67.—Ferrari 1874, p. 170; 1878, p. 66.

Monosteira unicostata: Costa 1863, p. 7, pl. 1, fig. 3.—Garbiglietti 1869, p. 274 [Italy].—Reuter 1891a, p. 27 [Greece]; 1908, p. 88.—Horváth 1892b, p. 131 [*Pinus halepensis*; *Spartium scoparium*]; 1906a, p. 106 [Yugoslavia; Rumania; Caucasus; Armenia; Turkmen; Tunisia].—Lethierry and Severin 1896, p. 25 [Morocco].—Stichel 1926, p. 116; 1960a, p. 344, fig. 181 [Sardinia; Bulgaria; *Prunus persica*; *Prunus cerasus*].—de Seabra 1931, pp. 439, 444, figs. 510 (1-4), 511 [Portugal; *Pyrus malus*].—Silvestri 1934, p. 259, fig. 222 [Sicily].—Hoberlandt 1942, p. 126 [Czechoslovakia; Transcaucasus]; 1955, p. 96.—Blöte 1945, p. 92.—Kiritshenko 1951, p. 254.

Monanthia (Monosteira) unicostata: Puton 1879c, p. 124 [Algeria; Russia; *Populus alba*].

Monostira unicostata: Horváth 1906d, p. 2; 1916, p. 9 [Albania].—Lindberg 1932a, p. 44 [*Alnus glutinosa*]; 1948, p. 60 [Cyprus].—Vidal 1937, p. 199; 1939, p. 27, fig. 1 [*Pyrus communis*].—Bremond 1938, p. 294, pls. 1-3; figs. 1, 2 [*Populus nigra*; *Populus tremula*; *Pyrus mamorensis*; *Salix*; *Cydonia vulgaris*; *Prunus*; *Crataegus monogyna*; *Cerasus*; *Amygdalus communis*].—Gulde 1938, p. 320, fig.—González 1948, p. 51.—Gomez-Menor 1950, p. 99, figs. 1-5; 1954, p. 383, figs. 5-7 [*Prunus amygdalus*]; 1955a, p. 257, figs. 34, 35 (a-c); 1955b, p. 249; 1956a, pp. 111, 112, pl. 1, figs. 6, 8.—Novak and Wagner 1951, p. 71.—Mancini 1953b, p. 186; 1953c, p. 22; 1953d, p. 16.—Seidenstücker 1954, p. 236.

TYPE: Languedoc, France; sex and deposition of type unknown.

DISTRIBUTION: Portugal; Spain; France; Italy; Sicily; Hungary; Czechoslovakia; Yugoslavia; Greece; Albania; Sardinia; Bulgaria; Rumania;

Turkey; Cyprus; Syria; U.S.S.R. (Armenia; Caucasus; Turkmen; Transcaucasus); Algeria; Tunisia; Morocco.

HOST PLANTS: *Alnus glutinosa*; *Amygdalus communis*; *Cerasus* sp.; *Crataegus monogyna*; *Cydonia vulgaris*; *Pinus halepensis*; *Populus alba*; *Populus nigra*; *Populus tremula*; *Populus* sp.; *Prunus amygdalus*; *Prunus cerasus*; *Prunus persica*; *Prunus* sp.; *Pyrus communis*; *Pyrus malus*; *Pyrus mamorensis*; *Salix* sp.; *Spartium scoparium*.

NOTE: Life history studies [Vidal 1939; Gomez-Menor 1950; 1955a; Bremond 1938].

***Monosteira unicastata** var. **buccata** Horváth

Monosteira buccata Horváth 1902a, p. 600 [Spain].

Monosteira unicastata var. *buccata*: Horváth 1906a, p. 106.—Stichel 1960a, p. 344.

Monostira unicastata var. *buccata*: Lindberg 1932a, p. 44 [*Nerium oleander*].—Gulde 1938, p. 320.—Gomez-Menor 1955b, p. 249 [*Persica vulgaris*].

Monostira var. *bucata* [sic]: González 1948, p. 51.

TYPE: Sex unknown; Ciudad Real, Spain; Hungarian Mus.

DISTRIBUTION: Spain.

HOST PLANTS: *Persica vulgaris*; *Nerium oleander*.

Genus MUMMIUS Horváth

Mummius Horváth 1910, p. 65.—Drake and Ruhoff 1960a, p. 69.

TYPE SPECIES: *Mummius bicorniger* Horváth.

Mummius bicorniger Horváth

Mummius bicorniger Horváth 1910, p. 65 [Tanganyika].

Mummius corniger [sic]: Drake 1954e, p. 5 [Congo].

TYPE: Holotype ♀; Kibongoto, Kilimandjaro; Stockholm Mus.

DISTRIBUTION: Tanganyika; Congo.

HOST PLANT: Unrecorded.

Mummius denigratus Drake

Mummius denigratus Drake 1954e, p. 5, fig. 1 [Congo].

TYPE: Holotype ♀; Dipidi, Parc National de l'Upemba, Belgian Congo; Brussels Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

Genus NAITINGIS Drake and Ruhoff

Naitingis Drake and Ruhoff 1962c, p. 133.

TYPE SPECIES: *Tropidocheila maynei* Schouteden.

Naitingis blukwana (Drake)

Tingis (*Tropidocheila*) *blukwana* Drake 1954e, p. 2 [Congo].

Naitingis blukwana: Drake and Ruhoff 1962c, p. 134.

TYPE: Holotype ♂; Blukwa, Belgian Congo; Brussels Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

Naitingis maynei (Schouteden)

Tropidocheila maynei Schouteden 1923, p. 105 [Tanganyika].

Tingis (*Tropidocheila*) *maynei*: Drake 1954e, p. 2 [Congo].

Tingis (*Tropidochila*) *maynei*: Drake 1958a, p. 104 [Angola].

Naitingis maynei: Drake and Ruhoff 1962c, p. 134.

TYPE: Sex unknown; Albertville, Tanganyika; Cent. Afr. Mus.

DISTRIBUTION: Tanganyika; Congo; Angola.

HOST PLANT: Unrecorded.

Naitingis maynei var. **biseriata** (Schouteden)

Tropidocheila maynei var. *biseriata* Schouteden 1923, p. 106 [Tanganyika].

Naitingis maynei var. *biseriata*: Drake and Ruhoff 1962c, p. 134.

TYPE: Sex unknown; Albertville, Tanganyika; Cent. Afr. Mus.

DISTRIBUTION: Tanganyika.

HOST PLANT: Unrecorded.

Naitingis nyanzae (Schouteden)

Tropidocheila nyanzae Schouteden 1955a, p. 30 [Congo].

Naitingis nyanzae: Drake and Ruhoff 1962c, p. 134.

TYPE: Sex unknown; Ukewere, Victoria-Nyanza, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

Genus NAOCHILA Drake

Naochila Drake 1957f, p. 127.—Drake and Ruhoff 1960a, p. 70.

TYPE SPECIES: *Cochlochila boxiana* Drake.

***Naochila arete** Drake and Mohanasundarum

Naochila arete Drake and Mohanasundarum 1961, p. 108, fig. 1 [India; *Cordia*].

TYPE: Holotype ♂, brachypterous; Coimbatore, India; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: *Cordia* sp.

***Naochila boxiana** (Drake)

Cochlochila boxiana Drake 1953d, p. 214 [Ghana; *Hoslundia oppositifolia*; Uganda]; 1955b, p. 85 [Angola].

Naochila boxiana: Drake 1957f, p. 128.

TYPE: Holotype ♂; Tafo, Gold Coast; British Mus.

DISTRIBUTION: Ghana; Uganda; Angola.

HOST PLANT: *Hoslundia oppositifolia*.

**Naochila bukobana* (Drake)

Cochlochila bukobana Drake 1953d, p. 214 [Tanganyika].

Naochila bukobana: Drake 1957f, p. 128.

TYPE: Holotype ♂, macropterous; Lake Victoria, Tanganyika; Drake Coll. (USNM).

DISTRIBUTION: Tanganyika.

HOST PLANT: Unrecorded.

**Naochila bullana* (Drake)

Cysteochila bullana Drake 1958c, p. 319 [Malagasy].

Naochila bullana: Drake and Ruhoff 1961c, p. 145.

TYPE: Holotype ♂; Ankaratra, Madagascar; Madagascar Sci. Inst.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

**Naochila kivuensis* (Schouteden)

Monanthia kivuensis Schouteden 1953e, p. 199 [Congo; *Acanthus*; *Ficus*]; 1957c, p. 318 [Ruanda].

Naochila kivuensis: Drake 1957f, p. 128.

TYPE: Sex unknown; Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo; Ruanda-Urundi.

HOST PLANTS: *Acanthus* sp.; *Ficus* sp.

**Naochila natalana* (Drake)

Cochlochila natalana Drake 1954b, p. 8 [Natal; Pondoland].

Naochila natalana: Drake 1957f, p. 128.

TYPE: Holotype ♂; Port Shepstone, Natal, South Africa; British Mus.

DISTRIBUTION: South Africa (Natal; Pondoland); Kenya.

HOST PLANT: Unrecorded.

**Naochila parvella* (Drake)

Cochlochila parvella Drake 1954b, p. 7 [Natal; Pondoland; Cape Province]; 1958c, p. 320 [Malagasy].

Naochila parvella [sic]: Drake 1957f, p. 128.

TYPE: Holotype ♂; Weenan, Natal, South Africa; British Mus.

DISTRIBUTION: South Africa (Natal; Pondoland; Cape Province); Malagasy Republic.

HOST PLANT: Unrecorded.

**Naochila sufflata* (Drake and Poor)

Monanthia sufflata Drake and Poor 1939c, p. 203 [India; *Lantana*].

Dictyla sufflata: Drake and Ruhoff 1960a, p. 51.

Naochila sufflata: Drake and Ruhoff 1960c, p. 29.

TYPE: Holotype ♀, macropterous; Dharampur, Dehra Dun, India; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANTS: *Ehretia laevis*; *Lantana* sp.

**Naochila turgida* Drake

Naochila turgida Drake 1957f, p. 128 [Malagasy].

TYPE: Holotype ♂; Ankaratra, Madagascar; Madagascar Sci. Inst.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

Genus NEOTINGIS Drake

Neotingis Drake 1922c, p. 366.—Drake and Ruhoff 1960a, p. 70.

TYPE SPECIES: *Neotingis hollandi* Drake.

**Neotingis hollandi* Drake

Neotingis hollandi Drake 1922c, p. 367, pl. 39, fig. 5 [Brazil].—Monte 1941c, p. 126.

TYPE: Holotype ♀; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

Genus NESOCYPSELAS Kirkaldy

Nesocypselas Kirkaldy 1908b, p. 364.—Drake and Ruhoff 1960a, p. 70.

TYPE SPECIES: *Nesocypselas dicysta* Kirkaldy.

Nesocypselas bellatula Drake

Nesocypselas bellatula Drake 1960, p. 375, fig. 25 [New Guinea].

TYPE: Holotype ♀; Wesselmeren, Duroto, E. of Enarotadi, Netherlands New Guinea; Bishop Mus.

DISTRIBUTION: New Guinea (Netherlands).

HOST PLANT: Unrecorded.

**Nesocypselas dicysta* Kirkaldy

Nesocypselas dicysta Kirkaldy 1908b, p. 365, pl. 4, figs. 8, 9 [Viti Levu; *Artocarpus incisa*].—Drake and Poor 1943, p. 200.

TYPE: Holotype ♂; Viti Levu, Fiji Islands; Hawaii. Sugar Plant. Assn.

DISTRIBUTION: Fiji Islands (Viti Levu).

HOST PLANT: *Artocarpus incisa*.

**Nesocypselas evansi* Drake

Nesocypselas evansi Drake 1953b, p. 98 [Taveuni].

TYPE: Holotype ♂; Waiyero, Taveuni, Fiji Islands; British Mus.

DISTRIBUTION: Fiji Islands (Taveuni).

HOST PLANT: Unrecorded.

**Nesocypselas evansi* subsp. *aemulus* Drake

Nesocypselas evansi subsp. *aemulus* Drake 1953b, p. 99 [Fiji].

TYPE: Holotype ♀; Bau, Fiji Islands; British Mus.

DISTRIBUTION: Fiji Islands.

HOST PLANT: Unrecorded.

**Nesocypselas inannana* Drake

Nesocypselas inannana Drake 1953d, p. 222 [Espiritu Santo].

TYPE: Holotype ♀, macropterous; Espiritu Santo, New Hebrides; USNM.

DISTRIBUTION: New Hebrides Islands (Espiritu Santo).

HOST PLANT: Unrecorded.

Nesocypselas muri Drake and Poor (emendation)

Nesocypselas muri Drake and Poor 1943, p. 203, fig. 7 [Viti Levu].

TYPE: Holotype ♀; Nandarivatu, Viti Levu, Fiji Islands; Bishop Mus.

DISTRIBUTION: Fiji Islands (Viti Levu).

HOST PLANT: Unrecorded.

**Nesocypselas piperica* Drake

Nesocypselas piperica Drake 1957d, p. 203, figs. 1, 2 [New Britain; pepper]; 1960, p. 374, fig. 24 [Papua].—Drake and Ruhoff 1960a, p. 5, fig. 1.

TYPE: Holotype ♂; Keravat, New Britain, Melanesia; British Mus.

DISTRIBUTION: New Britain Island, Bismarck Archipelago; New Guinea (Papua).

HOST PLANT: Cultivated pepper.

Nesocypselas simulis Drake and Poor

Nesocypselas simulis Drake and Poor 1943, p. 203, fig. 6 [Viti Levu].

TYPE: Holotype ♀; Nandarivatu, Viti Levu, Fiji Islands; Bishop Mus.

DISTRIBUTION: Fiji Islands (Viti Levu).

HOST PLANT: Unrecorded.

**Nesocypselas vicinalis* Drake and Poor (emendation)

Nesocypselas vicinatis Drake and Poor 1943, p. 201 [Viti Levu].

TYPE: Holotype ♀; Nandarivatu, Viti Levu, Fiji Islands; Bishop Mus.

DISTRIBUTION: Fiji Islands (Viti Levu).

HOST PLANT: Unrecorded.

Genus NESOCYSTA Kirkaldy

Nesocysta Kirkaldy 1908b, p. 365.—Drake and Ruhoff 1960a, p. 70.

TYPE SPECIES: *Nesocysta rugata* Kirkaldy.

**Nesocysta rugata* Kirkaldy

Nesocysta rugata Kirkaldy 1908b, p. 366 [Viti Levu].—Drake and Poor 1943, p. 204.

TYPE: Holotype ♀; Rewa, Fiji Islands; Hawaii. Sugar Plant. Assn.

DISTRIBUTION: Fiji Islands (Viti Levu).

HOST PLANT: Unrecorded.

Genus NESOTINGIS Drake

Nesotingis Drake 1957e, p. 402.—Drake and Ruhoff 1960a, p. 70.

TYPE SPECIES: *Nesotingis pauliani* Drake.

Nesotingis pauliani Drake

Nesotingis pauliani Drake 1957e, p. 403 [Reunion].

TYPE: Holotype ♀; Bélouve, Reunion; Madagascar Sci. Inst.

DISTRIBUTION: Mascarene Islands (Reunion).

HOST PLANT: Unrecorded.

***Nesotingis vinsoni** (Drake and Mamet)

Eteoneus vinsoni Drake and Mamet 1956, p. 301, fig. 6 [Mauritius].—

Mamet 1957, p. 57.

Nesotingis vinsoni: Drake 1957e, p. 404 [Reunion].

TYPE: Holotype ♀, macropterous; Les Mares, Mauritius Island; Drake Coll. (USNM).

DISTRIBUTION: Mascarene Islands (Mauritius; Reunion).

HOST PLANT: Unrecorded.

Genus NETHERSIA Horváth

Nethersia Horváth 1925a, p. 14.—Drake and Ruhoff 1960a, p. 71.

TYPE SPECIES: *Nethersia maculosa* Horváth.

***Nethersia absimilis** Drake

Nethersia absimilis Drake 1944a, p. 74 [Queensland].

TYPE: Holotype ♀, macropterous; Roma, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Nethersia haplotes** Drake and Ruhoff

Nethersia haplotes Drake and Ruhoff 1962d, p. 505 [New South Wales].

TYPE: Holotype ♂, macropterous; Mullahey, New South Wales, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (New South Wales).

HOST PLANT: Unrecorded.

***Nethersia maculosa** Horváth

Nethersia maculosa Horváth 1925a, p. 15, fig. 9 [Western Australia].—

Hacker 1928, p. 186 [South Australia; Queensland].—Drake and

Ruhoff 1962a, p. 156; 1962b, p. 250; 1962d, p. 505.

Nethersia pugna Drake 1944a, p. 76.

Nathersea [sic] *maculosa*: Drake 1947c, p. 111.

TYPE: Holotype ♀; Broome, Australis occidentalis; Stockholm Mus.

DISTRIBUTION: Australia (Queensland; Western Australia; Northern Territory; South Australia).

HOST PLANT: Unrecorded.

***Nethersia nigritarsis** (Horváth)

Tingis (Tropidochila) nigritarsis Horváth 1925a, p. 7 [Queensland].

Nethersia poorae Drake 1944a, p. 72, fig. 1.

Nethersia nigritarsis: Drake and Ruhoff 1962d, p. 505.

TYPE: Holotype ♀; Herberton, Queensland, Australia; Stockholm Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Nethersia setosa** (Hacker)

Ischnotingis setosus Hacker 1927, p. 23, pl. 6, fig. 3 [Queensland; *Acacia*].

Nethersia setosa: Hacker 1928, p. 186.

TYPE: Sex unknown; Mount Coot-tha, Queensland, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland; New South Wales).

HOST PLANT: *Acacia* sp.

Genus NOBARNUS Distant

Nobarnus Distant 1920, p. 156.—Drake and Ruhoff 1960a, p. 71.

TYPE SPECIES: *Nobarnus typicus* Distant.

Nobarnus signatus (Distant)

PLATE 41

Compseuta signata Distant 1920, p. 156 [New Caledonia].

Nobarnus signatus: China 1926, p. 228.—Drake and Davis 1960, fig. 38.

TYPE: Sex unknown; Paompai, New Caledonia; British Mus.

DISTRIBUTION: New Caledonia.

HOST PLANT: Unrecorded.

Nobarnus typicus Distant

Nobarnus typicus Distant 1920, p. 157 [New Caledonia].

TYPE: Sex unknown; Mt. Arago, New Caledonia; British Mus.

DISTRIBUTION: New Caledonia.

HOST PLANT: Unrecorded.

Genus NYCTOTINGIS Drake

Nyctotingis Drake 1922c, p. 362.—Drake and Ruhoff 1960a, p. 71.

TYPE SPECIES: *Nyctotingis osborni* Drake.

***Nyctotingis nexilis** Drake

Nyctotingis nexilis Drake 1948j, p. 431 [Peru].

TYPE: Holotype ♀, macropterous; Tingo Maria, Peru; Drake Coll. (USNM).

DISTRIBUTION: Peru; Bolivia.

HOST PLANT: Unrecorded.

***Nyctotingis osborni** Drake

Nyctotingis osborni Drake 1922c, p. 363, fig. 1 [Brazil]; 1928a, p. 42 [Ecuador].—Monte 1938b, p. 132; 1941e, p. 126 [*Bambusa*].—Drake and Hambleton 1945, p. 357 [Peru].—Silva 1956, p. 46, fig. 17.

TYPE: Holotype ♀; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil; Ecuador; Peru.

HOST PLANT: *Bambusa* sp.

Genus OCTACYSTA Drake and Ruhoff

Octacysta Drake and Ruhoff 1960a, p. 71.—Stichel 1960b, p. 401; 1960c, p. 140.

TYPE SPECIES: *Tingis rotundata* Herrich-Schaeffer = *Tingis echii* Fabricius (not Schrank).

***Octacysta echii** (Fabricius)

Tingis echii Fabricius 1803, p. 126 [Austria; *Echium*].—Burmeister 1835, p. 259 [*Echium vulgare*].—Amyot and Serville 1843, p. 297 [France].

Tingis rotundata Herrich-Schaeffer 1835, p. 59.

Monanthia rotundata: Herrich-Schaeffer 1838, pp. 52, 59, pl. 124, figs. 392, f-g; pl. 125, fig. 2 [Czechoslovakia].—Horváth 1906a, pp. 99, 103 [Hungary; Rumania; Russia; Caucasus].—Mužik 1907, p. 64.—Oshanin 1908, p. 454 [Turkestan]; 1912, p. 46.—Moroder Sala 1920, p. 13 [Spain].—Stichel 1926, p. 115; 1935, p. 349; 1938a, p. 408.—Börner 1935, p. 78.—Gulde 1938, p. 318.—Hoberlandt 1942, p. 126; 1943a, p. 119; 1943b, p. 124; 1955, p. 95 [Transcaucasus].—Blöte 1945, p. 91.—Kiritshenko 1951, p. 254.—Seidenstücker 1954, p. 236 [Turkey].—Štušák and Stys 1959, p. 199, figs. 41–46 [*Anchusa officinalis*].—Putshkov 1960, p. 305 [*Cynoglossum*].—Štušák 1961a, p. 86, figs. 5c, 14, 15; pl. 2.

Monanthia (Physatocheila) echii: Fieber 1844, p. 88, pl. 7, figs. 27–32 [Italy].—Herrich-Schaeffer 1850, p. 153.

Tingis (Physatocheila) echii: Kolenati 1856, p. 428 [*Echium rubrum*; *Echium italicum*; Armenia].

Monanthia echii: Fieber 1861, p. 126.—Garbiglietti 1869, p. 273.—Walker 1873a, p. 187.—Stål 1874, p. 59.—Puton 1879c, p. 123.—Hüeber 1893, p. 355 [Germany; Switzerland].

Octacysta rotundata: Drake and Ruhoff 1960a, p. 71, pls. 6, 7.—Stichel 1960b, p. 401; 1960c, p. 140.

Dictyla rotundata: Stichel 1960a, p. 342, fig. 180a [Poland; Bulgaria].

Octacysta echii: Drake and Ruhoff 1960b, p. 74, fig. 22.

TYPE: Lectotype ♀, brachypterous; Austria; Copenhagen Mus.

DISTRIBUTION: Spain; France; Germany; Switzerland; Czechoslovakia; Austria; Italy; Hungary; Rumania; Bulgaria; Poland; U.S.S.R. (Armenia; Caucasus; Transcaucasus; Turkestan); Turkey.

HOST PLANTS: *Anchusa officinalis*; *Cynoglossum* sp.; *Echium italicum*; *Echium rubrum*; *Echium vulgare*; *Echium* sp.

NOTE: Study of nymphs and eggs [Štušák and Stys; Štušák]. Resurrection of name [Drake and Ruhoff 1960b].

Genus OEDOTINGIS Drake

Oedotingis Drake 1942a, p. 19.—Drake and Ruhoff 1960a, p. 72.

TYPE SPECIES: *Australotingis williamsi* Drake.

**Oedotingis mexicana* Drake

Oedotingis [sic] *mexicana* Drake 1948d, p. 17 [Mexico].

TYPE: Holotype ♀, macropterous; Guerrero, Mexico; USNM.

DISTRIBUTION: Mexico.

HOST PLANT: Unrecorded.

NOTE: Intercepted on orchid plants at port-of-entry, Laredo, Texas. The sex of the type species was erroneously reported as male in the original description.

**Oedotingis williamsi* (Drake)

Australotingis williamsi Drake 1928a, p. 51 [Ecuador].

Oedotingis williamsi: Drake 1942a, p. 20.

TYPE: Holotype ♀, macropterous; Mera, Ecuador; Drake Coll. (USNM).

DISTRIBUTION: Ecuador.

HOST PLANT: Unrecorded.

Genus OGYGOTINGIS Drake

Oygotingis Drake 1948e, p. 149.—Drake and Ruhoff 1960a, p. 72.

TYPE SPECIES: *Teleonemia insularis* China.

**Oygotingis insularis* (China)

Teleonemia insularis China 1924, p. 436, fig. 2b [Rodriguez].

Oygotingis insularis: Drake 1948e, p. 149.

Orygotingis [sic] *insularis*: Drake and Davis 1960, fig. 41.

TYPE: Sex unknown; Rodriguez Island; British Mus.

DISTRIBUTION: Mascarene Islands (Rodriguez).

HOST PLANT: Unrecorded.

Genus OLASTRIDA Schouteden

Olastrida Schouteden 1956, p. 205.—Drake and Ruhoff 1960a, p. 72.

TYPE SPECIES: *Olastrida oleae* Schouteden.

**Olastrida oleae* Schouteden

Olastrida oleae Schouteden 1956, p. 205 [Ruanda; *Olea europea*].

TYPE: Sex unknown; Astrida, Ruanda; Cent. Afr. Mus.

DISTRIBUTION: Ruanda-Urundi.

HOST PLANT: *Olea europea*.

Genus ONCOCHILA Stål

Oncochila Stål 1873, p. 121; 1874, p. 57.—Kirkaldy 1904, p. 281.—Horváth 1906a, pp. 15, 96 (key).—Oshanin 1908, p. 449; 1912, p. 45.—Stichel 1926, pp. 105, 114 (key); 1935, p. 349; 1938a, p. 408; 1960a, p. 336; 1960b, p. 400; 1960c, p. 139.—Börner 1935, pp. 74, 78.—Gulde 1938, pp. 245, 309 (key).—China 1943, p. 248.—Kiritshenko 1951, pp. 242, 252.—Drake and Ruhoff 1960a, p. 72.

TYPE SPECIES: *Monanthia (Physatocheila) scapularis* Fieber.

**Oncochila scapularis* (Fieber)

Monanthia (Physatocheila) scapularis Fieber 1844, p. 80, pl. 6, figs. 38–40 [Czechoslovakia; Austria; Italy; Germany; *Senecio jacobaea*].

Monanthia scapularis: Scholz 1847, p. 120.—Mayr 1858, p. 571 [Hungary].—Fieber 1861, p. 125.—Garbiglietti 1869, p. 273.—Walker 1873a, p. 186.—Reiber and Puton 1876, p. 69.—Horváth 1889, p. 326.—Hüeber 1893, p. 349 [Yugoslavia; Rumania].

Oncochila scapularis: Stål 1873, p. 121; 1874, p. 57.—Horváth 1906a, p. 97 [Russia; Siberia; *Euphorbia gerardiana*].—Mužik 1907, p. 62.—Stichel 1926, p. 115; 1938a, p. 408 [Albania; Poland]; 1960a, p. 336 [Bulgaria].—Hoberlandt 1942, p. 126; 1943b, pp. 119, 124.—Štusak 1958, p. 367, figs. 12–14.

Physatochila scapularis: Lethierry and Severin 1896, p. 21.

TYPE: Unknown.

DISTRIBUTION: Czechoslovakia; Hungary; Austria; Italy; Germany; Rumania; Yugoslavia; Albania; Poland; Bulgaria; U.S.S.R. (Siberia).

HOST PLANTS: *Euphorbia gerardiana*; *Senecio jacobaea*.

NOTE: Eggs [Štusak].

**Oncochila simplex* (Herrich-Schaeffer)

Tingis simplex Herrich-Schaeffer 1830, heft 118, tab. 21 [Germany]; 1835, p. 59.

Monanthia simplex: Herrich-Schaeffer 1838, p. 59.—Douglas and Scott 1865, p. 245 [England].—Horváth 1874b, p. 432 [Hungary].—Jakovlev 1876b, p. 66 [Russia]; 1880b, p. 108 [Caucasus].—Saunders 1875, p. 250.—Puton 1879c, p. 119 [France; *Euphorbia cyparissias*].—Chicote 1880, p. 189 [Spain].—Dubois 1888, p. 121.—d'Antessanty 1890, p. 33.—Hüeber 1893, p. 347 [Austria; Switzerland].—Butler 1923, p. 214 [Turkestan].

Monanthia (Physatocheila) simplex: Herrich-Schaeffer 1850, p. 153.—Saunders 1892, p. 136, pl. 12, fig. 10.

Physatochila (Oncochila) simplex: Sahlberg 1878, p. 21.

Physatochila simplex: Lethierry and Severin 1896, p. 21.—Reichensperger 1920, p. 62.

Oncochila simplex: Horváth 1906a, pp. 96, 97 [Belgium; Italy; Yugoslavia; Rumania; Armenia].—Muzik 1907, p. 62 [Czechoslovakia].—Stichel 1926, p. 115; 1960a, p. 336 [Poland; Bulgaria; *Thymus*].—Lindberg 1927, p. 20.—Scholte 1935, p. 90, fig. 23 [Netherlands].—Gulde 1938, p. 310, fig. [Denmark].—Hoberlandt 1942, p. 126; 1943b, p. 124.—Blöte 1945, p. 89 [Tunisia].—Bator 1953, p. 326, pl. 4, fig. 1.—Cobben 1958a, p. 12, fig. 15 [*Euphorbia gerardiana*].—Southwood and Leston 1959, p. 151, pl. 19, fig. 3; pl. 21, fig. 6.

TYPE: Regensburg, Germany; sex and deposition of type unknown.

DISTRIBUTION: Germany; France; England; Italy; Austria; Poland; Switzerland; Yugoslavia; Hungary; Belgium; Rumania; Bulgaria; Czechoslovakia; Netherlands; Spain; Denmark; Albania; U.S.S.R. (Armenia; Turkestan; Caucasus); Tunisia.

HOST PLANTS: *Euphorbia cyparissias*; *Euphorbia gerardiana*; *Thymus* sp.

†*Oncochila wollastoni* (Heer)

Tingis wollastoni Heer 1865, fig. 307; 1872, fig. 307; 1876, fig. 307; 1879, fig. 307.—Scudder 1891, p. 449.

Monanthia wollastoni: Heer 1865, p. 392 [Baden]; 1872, p. 480; 1876, p. 50; 1879, p. 417.—Scudder 1891, p. 422 [Horizon: Tortonian].

Dictyla wollastoni: Drake and Ruhoff 1960a, pp. 11, 51.

Oncochila wollastoni: Drake and Ruhoff 1960c, p. 32.

TYPE: Sex undeterminable; fossil; Oeningen, Baden; deposition unknown.

DISTRIBUTION: Fossil.

NOTE: In the above publications by Heer, *wollastoni* was placed in the genus *Tingis* in figure captions (which preceded the text) and in *Monanthia* in the description.

Genus ONCOPHYSA Stål

Oncophysa Stål 1873, pp. 121, 129.—Drake and Ruhoff 1960a, p. 73.

TYPE SPECIES: *Monanthia (Physatocheila) vesiculata* Stål.

**Oncophysa leai* Drake

Oncophysa leai Drake 1948c, p. 154 [Western Australia].

TYPE: Holotype ♀; Australia; Hungarian Mus.

DISTRIBUTION: Australia (Western Australia).

HOST PLANT: Unrecorded.

**Oncophysa rufescens* Hacker

Oncophysa rufescens Hacker 1928, p. 178, pl. 21, fig. 8 [South Australia].

TYPE: Sex unknown; Port Noarlunga, South Australia, Australia; Queensland Mus.

DISTRIBUTION: Australia (South Australia).

HOST PLANT: Unrecorded.

****Oncophysa vesiculata* (Stål)**

Monanthia (Physatocheila) vesiculata Stål 1859, p. 259 [New South Wales].

Monanthia vesiculata: Walker 1873a, p. 197.

Oncophysa vesiculata: Stål 1873, p. 129.—Lethierry and Severin 1896,

p. 22.—Horváth 1925a, p. 2 [Queensland].—Hacker 1927, p. 25

[*Pimelea*]; 1928, p. 177 [Victoria].—Drake 1961b, p. 108.

TYPE: Holotype ♀; New Holland, Sydney, Australia; Stockholm Mus.

DISTRIBUTION: Australia (New South Wales; Queensland; Victoria).

HOST PLANT: *Pimelea* sp.

***Oncophysa vesiculata* var. *gracilis* Hacker**

Oncophysa vesiculata var. *gracilis* Hacker 1928, p. 178, pl. 21, fig. 7 [South

Australia].—Drake 1961b, p. 108 [New South Wales].

TYPE: Sex unknown; Cape Jarvis, South Australia, Australia; Queensland Mus.

DISTRIBUTION: Australia (South Australia; New South Wales).

HOST PLANT: Unrecorded.

****Oncophysa vesiculata* var. *nigra* Hacker**

Oncophysa vesiculata var. *nigra* Hacker 1928, p. 178, pl. 21, fig. 6 [Tas-

mania; Victoria].—Drake 1961b, p. 108 [New South Wales].—

Drake and Ruhoff 1962b, p. 250.

TYPE: Sex unknown; Mount Arthur, Tasmania, Australia; Queensland Mus.

DISTRIBUTION: Australia (Tasmania; New South Wales; Victoria).

HOST PLANT: Unrecorded.

Genus ONYMOCHILA Drake

Onymochila Drake 1948e, p. 152.—Drake and Ruhoff 1960a, p. 73.

TYPE SPECIES: *Cysteochila dichapetali* Horváth.

****Onymochila dichapetali* (Horváth) (emendation)**

PLATE 17

Cysteochila dichapetali Horváth 1929, p. 324 [Transvaal; *Dichapetalum*

cymosum].

Onymochila dichapetali [sic]: Drake 1948e, p. 152.

Onymochila dichapetali: Drake and Davis 1960, figs. 50, 51.

TYPE: Sex unknown; Pretoria, Transvaal, South Africa; British Mus.

DISTRIBUTION: South Africa (Transvaal).

HOST PLANT: Causes extensive down-curl of the leaves of *Dichapetalum cymosum* (see pl. 17).

Genus OROTINGIS Drake and Poor

Orotingis Drake and Poor 1941, p. 161.—Drake and Ruhoff 1960a, p. 73.

TYPE SPECIES: *Orotingis muiri* Drake and Poor.

Orotingis eueides Drake

Orotingis eueides Drake 1960, p. 364, fig. 16 [New Guinea].

TYPE: Holotype ♂; Wisselmeren, Duroto, Netherlands New Guinea; Bishop Mus.

DISTRIBUTION: New Guinea (Netherlands).

HOST PLANT: Unrecorded.

***Orotingis muiri** Drake and Poor

Orotingis muiri Drake and Poor 1941, p. 161 [Amboina].—Drake and Davis 1960, fig. 64.

TYPE: Holotype ♂; Amboina Island; Cal. Acad.

DISTRIBUTION: Moluccas (Amboina Island).

HOST PLANT: Unrecorded.

Genus OTTOICUS Drake

Ottoicus Drake 1960, p. 358.

TYPE SPECIES: *Ottoicus dissitus* Drake.

***Ottoicus dissitus** Drake

Ottoicus dissitus Drake 1960, p. 358, fig. 12 [New Guinea].

TYPE: Holotype ♂; Mt. Otto, above Kabebe, New Guinea; Bishop Mus.

DISTRIBUTION: New Guinea.

HOST PLANT: Unrecorded.

Genus PACHYCYSTA Champion

Pachycysta Champion 1898b, p. 59.—Drake 1928g, pp. 184–185 (key).—Monte 1941e, p. 126.—Hurd 1946, p. 474.—Drake and Ruhoff 1960a, p. 74.

TYPE SPECIES: *Pachycysta diaphana* Champion.

***Pachycysta adolpha** Drake

Pachycysta adolpha Drake 1948j, p. 431 [Peru].

TYPE: Holotype ♀, macropterous; Maracapata, Peru; Drake Coll. (USNM).

DISTRIBUTION: Peru.

HOST PLANT: Unrecorded.

***Pachycysta championi** Drake

Pachycysta championi Drake 1921a, p. 344, figs. a, b [Bolivia]; 1928g, p. 184.—Drake and Davis 1960, fig. 57.

TYPE: Sex unknown; Cochabamba, Bolivia; Paris Mus.

DISTRIBUTION: Boliva.

HOST PLANT: Unrecorded.

***Pachycysta diaphana** Champion

Pachycysta diaphana Champion 1898b, p. 59, pl. 2, figs. 6, 6a [Brazil].—
Drake 1928g, p. 184.—Monte 1940c, p. 300; 1942a, p. 97.—Drake
and Hambleton 1944b, p. 124 [Venezuela].

TYPE: Holotype ♀; Amazons; Oxford Mus.

DISTRIBUTION: Brazil; Venezuela.

HOST PLANT: Unrecorded.

***Pachycysta hambletoni** Drake and Poor

Pachycysta hambletoni Drake and Poor 1938a, p. 31 [Brazil].—Monte
1941e, p. 127 [*Guettarda viburnoides*].

TYPE: Holotype ♂, macropterous; São Paulo, Brazil; Drake Coll.
(USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Guettarda viburnoides*.

***Pachycysta schildi** Drake

Pachycysta schildi Drake 1928g, p. 185 [Costa Rica].

Pachycysta schildi [sic]: Monte 1942a, p. 96 [Venezuela].

TYPE: Holotype ♂, macropterous; Suize Tur'iba, Costa Rica; Drake Coll.
(USNM).

DISTRIBUTION: Costa Rica; Venezuela.

HOST PLANT: Unrecorded.

Genus PALAUELLA Drake

Palauella Drake 1956d, pp. 105, 110.—Drake and Ruhoff 1960a, p. 74.

TYPE SPECIES: *Palauella gressitti* Drake.

***Palauella gressitti** Drake

Palauella gressitti Drake 1956d, pp. 105, 112, fig. 6 [Palau].

TYPE: Holotype ♀, macropterous; Ulimang, Babelthuap, Palau Islands;
USNM.

DISTRIBUTION: Palau Islands.

HOST PLANT: Unrecorded.

Genus PARACOPIUM Distant

Paracopium Distant 1902b, p. 354; 1903b, p. 128.—Horváth 1929, p.
322.—Drake and Ruhoff 1960a, p. 74.

TYPE SPECIES: *Dictyonota cingalensis* Walker.

***Paracopium africanum** Drake

Paracopium africanum Drake 1956g, p. 472 [Natal]; 1961c, p. 129.

TYPE: Holotype ♂, macropterous; Natal, South Africa; Drake Coll.
(USNM).

DISTRIBUTION: South Africa (Natal).

HOST PLANT: Unrecorded.

***Paracopium albofasciatum** Hacker

Paracopium albofasciata Hacker 1927, p. 21, pl. 6, fig. 2 [Queensland].—
Drake 1961b, p. 110.

TYPE: Sex unknown; Prairie, Queensland, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Paracopium antennatum** (Schouteden)

Copium antennatum Schouteden 1923, p. 86 [Congo].

Paracopium antennatum: Drake 1954f, p. 4.

TYPE: Sex unknown; Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo; Cameroun.

HOST PLANT: Unrecorded.

***Paracopium assimile** Horváth

Paracopium assimile Horváth 1929, pp. 321, 322 [Uganda].

TYPE: Holotype ♀; Nagunga, Uganda; British Mus.

DISTRIBUTION: Uganda; Nigeria; Tanganyika.

HOST PLANT: Unrecorded.

***Paracopium australicum** (Stål)

Catoplatus australicus Stål 1873, p. 128 [Queensland].—Lethierry and
Severin 1896, p. 20.

Paracopium australicus: Hacker 1927, p. 20, pl. 6, fig. 1; 1928, p. 183
[New South Wales; Melville; Moa].

Paracopium australicum: Horváth 1929, p. 322.—Drake 1961b, p. 110.—
Drake and Ruhoff 1962b, p. 250.

TYPE: Holotype ♀; Port Denison, Cape York, Australia; Stockholm Mus.

DISTRIBUTION: Australia (Queensland; New South Wales; Moa and
Melville Islands).

HOST PLANT: Unrecorded.

***Paracopium bequaerti** (Schouteden)

Copium bequaerti Schouteden 1923, p. 86 [Congo].

Copium (Paracopium) bequaerti: Mayné and Ghесquière 1934, p. 20
[*Clerodendron giletii*].

Paracopium bequaerti: Drake 1954f, p. 4; 1958b, p. 29.

TYPE: Sex unknown; Sankisia, Katanga, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: *Clerodendron giletii*.

Paracopium burgeoni (Schouteden)

Catoplatus burgeoni Schouteden 1923, p. 89 [Congo].

Paracopium burgeoni: Drake 1954f, p. 4.

TYPE: Sex unknown; Kindu, Manyema, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Paracopium caledonicum** Drake

Paracopium caledonicum Drake 1956g, p. 474 [New Caledonia].

TYPE: Holotype ♂, macropterous; New Caledonia; Drake Coll. (USNM).

DISTRIBUTION: New Caledonia.

HOST PLANT: Unrecorded.

***Paracopium cingalense** (Walker)

Dictyonota cingalensis Walker 1873a, p. 178 [Ceylon].—Kirby 1891, p. 109.—Lethierry and Severin 1896, p. 25.

Paracopium cingalensis: Distant 1902b, p. 354.

Paracopium cingalense: Distant 1903b, p. 128, fig. 92.—Maxwell-Lefroy 1909, p. 693 [India; *Clerodendron phlomoides*].—Horváth 1929, p. 322.

TYPE: Sex unknown; Ceylon; British Mus.

DISTRIBUTION: Ceylon; India.

HOST PLANT: *Clerodendron phlomoides*.

Paracopium coloratum Schouteden

Paracopium coloratum Schouteden 1955b, p. 164 [Congo].

TYPE: Sex unknown; Lukenie, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Paracopium comatum** Drake (emendation)

Paracopium comantis Drake 1953d, p. 217 [India].

TYPE: Holotype ♂; West Almora, United Province, India; British Mus.

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

***Paracopium congruum** Drake

Paracopium congruum Drake 1956g, p. 471, fig. 1 [Congo; Rhodesia].

TYPE: Holotype ♂, macropterous; Victoria Falls, Rhodesia; Drake Coll. (USNM).

DISTRIBUTION: Rhodesia; Congo.

HOST PLANT: Unrecorded.

***Paracopium dauphinicum** Drake

Paracopium dauphinicum Drake 1956g, p. 473, fig. 2 [Malagasy].

TYPE: Holotype ♀, macropterous; Fort Dauphin, Madagascar; Drake Coll. (USNM).

DISTRIBUTION: Malagasy Republic.

HOST PLANT: *Clerodendron micans*.

***Paracopium fenestellatum** (Bergroth)

Copium fenestellatum Bergroth 1894, p. 168 [Malagasy].—Lethierry and Severin 1896, p. 16.

Paracopium fenestellatum: Horváth 1929, p. 322.—Drake 1958c, p. 325.

TYPE: Sex unknown; Madagascar; Helsin. Mus.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Paracopium floriculum** (Horváth)*Copium floricola* Horváth 1910, p. 61 [Tanganyika].*Paracopium floricola*: Horváth 1929, p. 322.

TYPE: Sex unknown; Usambara, Tanganyika; Stockholm Mus.

DISTRIBUTION: Tanganyika.

HOST PLANT: Unrecorded.

Paracopium fraterculum Schouteden*Paracopium fraterculum* Schouteden 1955b, p. 166 [Congo].

TYPE: Sex unknown; Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Paracopium furvum** (Horváth)*Copium furvum* Horváth 1925a, p. 2 [Queensland].*Paracopium furvum*: Horváth 1929, p. 322.

TYPE: Holotype ♂; Queensland, Australia; Stockholm Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Paracopium ghesquierei** (Schouteden)*Copium ghesquierei* Schouteden 1923, p. 87 [Congo].*Paracopium ghesquierei*: Drake 1954f, p. 4.

TYPE: Sex unknown; Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Paracopium gigantos** Drake*Paracopium gigantos* Drake 1954f, p. 3 [Malagasy].

TYPE: Holotype ♀, macropterous; Perinet, Analamasotra, Madagascar; Drake Coll. (USNM).

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Paracopium glabricorne** (Montandon)*Eurycera glabricornis* Montandon 1892, p. 267 [Mozambique].—Distant 1904, p. 430, pl. 8, fig. 9 [Cape Province; Natal; Transvaal].*Copium glabricorne*: Lethierry and Severin 1896, p. 16.—Distant 1902a, p. 241.—Schouteden 1916b, p. 292 [Congo]; 1923, p. 88.—Mancini 1939c, p. 308 [Somali].—Blöte 1945, p. 85.*Paracopium glabricorne*: Horváth 1929, p. 322.—Drake and Slater 1955, p. 49 [Zululand].

TYPE: Sex unknown; Rikatla, Mozambique; Montandon Coll. (Bucharest Mus.).

DISTRIBUTION: Mozambique; Congo; South Africa (Cape Province; Natal; Transvaal; Zululand); No. Rhodesia; Somali.

HOST PLANT: Unrecorded.

***Paracopium hamadryas** (Drake)

PLATES 23, 24

Copium hamadryas Drake 1925a, p. 1 [Congo; *Clerodendron*].*Paracopium hamadryas*: Horváth 1929, p. 322 [Ghana; *Clerodendron buchholzi*].—Drake and Davis 1960, fig. 52 [Uganda].*Copium (Paracopium) hamadryas*: Mayné and Ghesquière 1934, p. 20 [*Clerodendron subreniforme*].

TYPE: Holotype ♀; Thysville, Belgian Congo; American Mus.

DISTRIBUTION: Congo; Ghana; Uganda; Tanganyika.

HOST PLANTS: *Clerodendron buchholzi*; *Clerodendron subreniforme*; *Clerodendron*

sp.

NOTE: Figures of floral cecidia formed on *Clerodendron* sp. [Drake and Davis].***Paracopium hirsutum** Drake*Paracopium hirsutum* Drake 1953d, p. 218 [Malagasy]; 1958c, p. 326.

TYPE: Holotype ♂, macropterous; Perinet, Analamasotra, Madagascar; Drake Coll. (USNM).

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Paracopium hirticorne** (Bergroth)*Copium hirticorne* Bergroth 1912, p. 145 [Guinea].*Paracopium hirticorne*: Horváth 1929, p. 323.*Paracopium histocorne* [sic]: Drake 1954a, p. 232 [Ghana].

TYPE: Holotype ♂; Assini, Guinea; deposition unknown.

DISTRIBUTION: Guinea; Ghana.

HOST PLANT: Unrecorded.

***Paracopium insigne** Schouteden*Paracopium ? insigne* Schouteden 1955b, p. 163 [Congo; Ruanda]; 1957c, p. 313.

TYPE: Sex unknown; Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo; Ruanda-Urundi.

HOST PLANT: Unrecorded.

Paracopium kollari (Fieber)*Laccometopus kollari* Fieber 1844, p. 98, pl. 8, figs. 17–22 [Mauritius].—

Herrich-Schaeffer 1850, p. 158.

Eurycera kollari: Stål 1873, p. 129.*Copium kollari*: Lethierry and Severin 1896, p. 16.*Paracopium kollari*: Horváth 1929, p. 323.—Drake and Mamet 1956, p. 300; 1961, p. 223, fig.—Orian 1956, p. 647.—Mamet 1957, p. 56.

TYPE: Holotype ♂, macropterous; Mauritius Island; Vienna Mus.

DISTRIBUTION: Mascarene Islands (Mauritius).

HOST PLANT: Unrecorded.

NOTE: Taken at light [Drake and Mamet 1961].

***Paracopium lewisi** Distant

Paracopium lewisi Distant 1903a, p. 48 [Ceylon]; 1903b, p. 128.—Horváth 1929, p. 323.

TYPE: Sex unknown; Ceylon; British Mus.

DISTRIBUTION: Ceylon; Greater Sunda Islands (Sumatra).

HOST PLANT: Unrecorded.

***Paracopium longulum** Drake

Paracopium longulum Drake 1958c, p. 323 [Malagasy].

TYPE: Holotype ♀; Forêt au Nord d'Anosibe, Madagascar; Madagascar Sci. Inst.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Paracopium lupakense** (Schouteden)

Copium lupakense Schouteden 1923, p. 88 [Congo].

Paracopium lupakense: Drake 1954f, p. 4.

TYPE: Sex unknown; Lupaka, Luapula, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

Paracopium modestum Schouteden

Paracopium modestum Schouteden 1955b, p. 165 [Congo].

TYPE: Sex unknown; Moto, Ituri, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

***Paracopium parvum** Drake

Paracopium parvum Drake 1958c, p. 326 [Malagasy].

TYPE: Holotype ♂; Tongobory, Madagascar; Madagascar Sci. Inst.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Paracopium philippinense** Drake

Paracopium philippinensis Drake 1930e, p. 165 [Sibuyan].

TYPE: Holotype ♂, macropterous; Sibuyan Island, Philippine Islands; USNM.

DISTRIBUTION: Philippine Islands (Sibuyan; Negros).

HOST PLANT: Unrecorded.

***Paracopium proprium** Drake

Paracopium proprium Drake 1958c, p. 325 [Malagasy].

TYPE: Holotype ♂; Réserve Naturelle, Nosivola, Madagascar; Madagascar Sci. Inst.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Paracopium sauteri** Drake

Paracopium sauteri Drake 1951, p. 171 [Taiwan].

TYPE: Holotype ♂; Anping, Formosa; Hungarian Mus.

DISTRIBUTION: Taiwan.

HOST PLANT: Unrecorded.

***Paracopium stolidum** (Horváth)

Copium stolidum Horváth 1912a, p. 355 [Congo].—Schouteden 1916b, p. 292; 1923, p. 88.—Mayné and Ghesquière 1934, p. 20 [*Kalaharia* (*Clerodendron*) *spinescens*].

Paracopium stolidum: Horváth 1929, p. 323.—Drake 1955b, p. 89 [Angola].

TYPE: Holotype ♀; Leopoldville, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo; Angola.

HOST PLANTS: *Kalaharia* (*Clerodendron*) *spinescens*; "in galls of old fallen flowers of the herb called by the Batshick 'kakolu-uá-hachi'" [Drake 1955b].

***Paracopium summervillei** (Hacker)

Teleonemia summervillei Hacker 1927, p. 22, pl. 6, fig. 4 [Queensland; *Scaevola koenigii*].

Paracopium summervillei [sic]: Drake 1947c, p. 112 [Dunk; Prince Wales Islands; New Hebrides].

TYPE: Sex unknown; Palm Island, Queensland, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland; Palm, Dunk, Prince Wales Islands); New Hebrides Islands.

HOST PLANT: *Scaevola koenigii*.

Genus PARADA Horváth

Cysteochila (*Parada*) Horváth 1925a, p. 3.

Parada: Drake 1942a, p. 4; 1952a, pp. 143-147.—Drake and Ruhoff 1960a, p. 74.

TYPE SPECIES: *Cysteochila* (*Parada*) *taeniophora* Horváth.

***Parada absona** Drake

Parada absona Drake 1952, p. 146 [Queensland].

TYPE: Holotype ♂; Lake Barrine, Queensland, Australia; MCZ.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Parada darlingtoni** Drake

Parada darlingtoni Drake 1952, p. 143 [Queensland].

TYPE: Holotype ♂; National Park, McPherson Range, Queensland, Australia; MCZ.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Parada hackeri** Drake

Parada hackeri Drake 1952, p. 145 [Queensland].

TYPE: Holotype ♂, macropterous; Mt. Gipps, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Parada popla** Drake

Cysteochila (Parada) taeniophora (not Horváth): Hacker 1927, p. 24 [New South Wales; Queensland]; 1928, p. 180.

Parada popla Drake 1942a, p. 3; 1952, p. 147; 1961b, p. 110.

TYPE: Holotype ♂, macropterous; National Park, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland; New South Wales).

HOST PLANT: Unrecorded.

***Parada popula** var. **nigrans** Drake (emendation)

Parada popula var. *nigrantis* Drake 1942a, p. 4 [Queensland].

TYPE: Holotype ♂, macropterous; Mount Glorious, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Parada solla** Drake and Ruhoff

Parada solla Drake and Ruhoff 1961b, p. 139 [Queensland].

TYPE: Holotype ♂; Mt. Spurgeon, Queensland, Australia; MCZ.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Parada taeniophora** (Horváth)

Cysteochila (Parada) taeniophora Horváth 1925a, p. 2, fig. 1 [Queensland].

Parada taeniophora: Drake 1952, p. 147.—Drake and Ruhoff 1962b, p. 250 [New South Wales].

TYPE: Sex unknown; Malanda, Queensland, Australia; Stockholm Mus.

DISTRIBUTION: Australia (Queensland; New South Wales).

HOST PLANT: Unrecorded.

***Parada torta** Drake

Parada torta Drake 1942a, p. 4 [Queensland]; 1952, p. 147 [New South Wales]; 1961b, p. 110.

TYPE: Holotype ♂, macropterous; Mt. Gipps, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland; New South Wales).

HOST PLANT: Unrecorded.

Parada torta var. **pulla** Drake

Parada torta var. *pulla* Drake 1952, p. 147 [New South Wales].

TYPE: Holotype ♀; Mt. Wilson, New South Wales, Australia; MCZ.

DISTRIBUTION: Australia (New South Wales).

HOST PLANT: Unrecorded.

Genus PASEALA Schouteden

Paseala Schouteden 1923, p. 93.—Drake and Ruhoff 1960a, p. 74.

TYPE SPECIES: *Paseala arnoldi* Schouteden.

***Paseala arnoldi Schouteden**

Paseala arnoldi Schouteden 1923, p. 94 [Congo].—Mayné and Ghesquière 1934, p. 20 [Apocynaceae].—Drake and Gomez-Menor 1954, p. 92 [Spanish Guinea].

TYPE: Sex unknown; Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo; Spanish Guinea.

HOST PLANT: Apocynaceae.

Genus PENOTTUS Distant

Penottus Distant 1903c, p. 254.—Drake and Ruhoff 1960a, p. 75.

Cetiocysta Drake and Poor 1939c, p. 205.—Drake and Ruhoff 1960a, p. 44.

TYPE SPECIES: *Penottus jalorensis* Distant = *Monanthia monticollis* Walker.

***Penottus bunus Drake and Ruhoff**

Penottus bunus Drake and Ruhoff 1961b, p. 179, fig. 20 [Borneo].

TYPE: Holotype ♀, macropterous; Sandakan, Borneo; Drake Coll. (USNM).

DISTRIBUTION: Greater Sunda Islands (Borneo).

HOST PLANT: Unrecorded.

***Penottus monticollis (Walker)**

Monanthia monticollis Walker 1873a, p. 196 [Sarawak].—Distant 1902b, p. 356.

Penottus jalorensis Distant 1903c, p. 254, pl. 14 [Malaya].—Blöte 1945, p. 92 [Sumatra].

Diplocysta nubila Drake 1927a, p. 55 [Singapore]; 1930e, p. 167 [Negros].—Drake and Poor 1937a, p. 11.

Cetiocysta nubilia [sic]: Drake and Poor 1939c, p. 205.

Penottus monticollis: Drake and Ruhoff 1960a, p. 75, pl. 8; 1962c, p. 133.

TYPE: Sex unknown; Sarawak; British Mus.

DISTRIBUTION: Greater Sunda Islands (Sarawak; Sumatra); Federation of Malaya; Singapore; Philippine Islands (Negros).

HOST PLANT: Unrecorded.

NOTE: Only hemelytron remains of type specimen.

***Penottus nimius (Drake)**

Diplocysta nimia Drake 1927a, p. 54 [Negros].—Drake and Poor 1937a, p. 11 [Mindanao; Samar].

Cetiocysta nimia: Drake and Poor 1939c, p. 205.

Penottus nimius: Drake and Ruhoff 1960c, p. 29.

TYPE: Holotype ♂, macropterous; Curenos Mountains, Negros, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Mindanao; Negros; Samar).

HOST PLANT: Unrecorded.

***Penottus opiparus** (Drake)

Diplocysta opipara Drake 1927c, p. 18 [Luzon].

Cetiocysta opipara: Drake and Poor 1939c, p. 205.

Penottus opiparus: Drake and Ruhoff 1960c, p. 29.

TYPE: Holotype ♂, macropterous; Bagnio, Luzon, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Luzon).

HOST PLANT: Unrecorded.

***Penottus oresbius** Drake and Ruhoff

Penottus oresbius Drake and Ruhoff 1961b, p. 178, figs. 19 a, b [Borneo; Malaya].

TYPE: Holotype ♀, macropterous; Malacca, Southern Malay Peninsula; Drake Coll. (USNM).

DISTRIBUTION: Federation of Malaya; Greater Sunda Islands (Borneo).

HOST PLANT: Unrecorded.

***Penottus tibetanus** Drake and Maa

Penottus tibetanus Drake and Maa 1954, p. 115 [Tibet].

TYPE: Holotype ♂, macropterous; Tibet; Drake Coll. (USNM).

DISTRIBUTION: Tibet.

HOST PLANT: Unrecorded.

***Penottus verdicus** Drake and Maa

Penottus verdicus Drake and Maa 1953, p. 88 [Taiwan].

TYPE: Holotype ♂, macropterous; Formosa; Drake Coll. (USNM).

DISTRIBUTION: Taiwan.

HOST PLANT: Unrecorded.

Genus PERBRINCKEA Drake

Perbrinckea Drake 1956f, p. 427.—Drake and Ruhoff 1960a, p. 75.

TYPE SPECIES: *Perbrinckea brincki* Drake.

***Perbrinckea brincki** Drake

PLATE 16

Perbrinckea brincki Drake 1956f, p. 427, fig. 1 [Basutoland].

TYPE: Holotype ♂; Mount Morosi, Basutoland, South Africa; Lund Zool. Inst.

DISTRIBUTION: Basutoland.

HOST PLANT: Unrecorded.

Genus PERISSONEMIA Drake and Poor

Perissonemia Drake and Poor 1937a, p. 2.—Drake and Ruhoff 1960a, p. 75.

TYPE SPECIES: *Perissonemia torquata* Drake and Poor.

***Perissonemia absita** Drake and Ruhoff

Perissonemia absita Drake and Ruhoff 1961b, p. 137, fig. 11 [Mindanao].

TYPE: Holotype ♂, macropterous; Butuan, Mindanao, Philippines; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Mindanao).

HOST PLANT: Unrecorded.

***Perissonemia bimaculata** (Distant)

Teleonemia bimaculata Distant 1909c, p. 166, pl. 10, figs. 6, 6a [Borneo].

Cromerus bimaculatus: Drake 1953b, p. 92.

Perissonemia bimaculata: Drake and Ruhoff 1961c, p. 145.

TYPE: Holotype ♂; Kuching, Borneo; British Mus.

DISTRIBUTION: Greater Sunda Islands (Borneo); India.

HOST PLANT: Unrecorded.

***Perissonemia borneensis** (Distant)

Teleonemia borneensis Distant 1909c, p. 166, pl. 10, figs. 1, 1a [Borneo].

Perissonemia (Ulonemia) borneensis [sic]: Drake and Poor 1937a, p. 4 [Singapore].

Perissonemia borneensis [sic]: Drake and Poor 1937b, p. 401 [Mindanao; Sibuyan].—Drake 1938b, p. 195 [China].

Perissonemia borneensis: Drake 1960, p. 356 [New Guinea].

TYPE: Sex unknown; Kuching, Borneo; British Mus.

DISTRIBUTION: Greater Sunda Islands (Borneo), Singapore; China; Philippine Islands (Luzon; Mindanao; Sibuyan); New Guinea (Northeast).

HOST PLANT: Unrecorded.

***Perissonemia delagoana** Drake

Perissonemia delagoana Drake 1954b, p. 9 [Mozambique].

TYPE: Holotype ♂; Dalagoa Bay, Mozambique; British Mus.

DISTRIBUTION: Mozambique.

HOST PLANT: Unrecorded.

***Perissonemia ecmeles** Drake and Mohanasundarum

PLATE 25

Perissonemia ecmeles Drake and Mohanasundarum 1961, p. 110, fig. 2 [India; *Ficus*].

TYPE: Holotype ♂, macropterous; Coimbatore, India; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: *Ficus* sp.

***Perissonemia gressitti** Drake and Poor

Perissonemia gressitti Drake and Poor 1936a, p. 440 [Hainan].

TYPE: Holotype ♂, macropterous; Nodoo, Hainan Island; Drake Coll. (USNM).

DISTRIBUTION: China (Hainan Island).

HOST PLANT: Unrecorded.

**Perissonemia illustris* Drake and Poor

Perissonemia (Ulonemia) illustris Drake and Poor 1937a, p. 4 [Luzon].

Perissonemia illustris [sic]: Drake and Poor 1937b, p. 401.

TYPE: Holotype ♂, macropterous; Imugin, Nueva Vizcaya Province, Luzon, Philippine Islands; USNM.

DISTRIBUTION: Philippine Islands (Luzon); Singapore.

HOST PLANT: Unrecorded.

**Perissonemia kietana* Drake and Ruhoff

Perissonemia kietana Drake and Ruhoff 1961b, p. 136 [Bougainville].

TYPE: Holotype ♂, macropterous; Kieta, Solomon Islands; Drake Coll. (USNM).

DISTRIBUTION: Solomon Islands (Bougainville).

HOST PLANT: Unrecorded.

**Perissonemia nigerrima* (Schouteden)

Teleonemia nigerrima Schouteden 1923, p. 104 [Congo].

Perissonemia nigerrima: Drake and Ruhoff 1960c, p. 29.

TYPE: Sex unknown; Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo.

HOST PLANT: Unrecorded.

**Perissonemia occasa* Drake

Perissonemia occasa Drake 1942a, p. 2 [Japan].—Drake and Ruhoff 1961b, p. 135, fig. 10.

Perissonemia (Ulonemia) occasa: Takeya 1951a, p. 18.

TYPE: Holotype ♂, macropterous; Japan; Drake Coll. (USNM).

DISTRIBUTION: Japan; China.

HOST PLANT: Unrecorded.

**Perissonemia onerosa* Drake and Poor

Perissonemia onerosa Drake and Poor 1939c, p. 204 [India; sandal].

TYPE: Holotype ♀, macropterous; Vellore, Madras, India; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: Taken on "unspiked sandal."

**Perissonemia pagnana* Drake

Perissonemia pagnana Drake 1954b, p. 8 [Uganda].

TYPE: Holotype ♀, macropterous; Kampala, Uganda; Drake Coll. (USNM).

DISTRIBUTION: Uganda.

HOST PLANT: Unrecorded.

**Perissonemia sandakana* Drake and Ruhoff

Perissonemia sandakana Drake and Ruhoff 1961b, p. 134, fig. 9 [Borneo].

TYPE: Holotype ♂, macropterous; Sandakan, Borneo; Drake Coll. (USNM).

DISTRIBUTION: Greater Sunda Islands (Borneo).

HOST PLANT: Unrecorded.

***Perissonemia sierrana** Drake

Perissonemia sierrana Drake 1954b, p. 9 [Sierra Leone; "Bomamagbai"].

TYPE: Holotype ♂; Njala, Sierra Leone; British Mus.

DISTRIBUTION: Sierra Leone.

HOST PLANT: Taken on "Bomamagbai."

***Perissonemia sodalis** Drake

Perissonemia sodalis Drake 1948e, p. 151 [Queensland].—Drake and Davis 1960, fig. 65.

TYPE: Holotype ♂, macropterous; Redlynch, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Perissonemia torquata** Drake and Poor

Perissonemia torquata Drake and Poor 1937a, p. 2, pl. 1 [Mindanao]; 1937b, p. 401.—Drake 1960, p. 356 [Solomon; New Guinea].

TYPE: Holotype ♂, macropterous; Surigao, Mindanao, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Mindanao); New Guinea; Solomon Islands.

HOST PLANT: Unrecorded.

***Perissonemia vegata** Drake and Poor

Perissonemia (Ulonemia) vegata Drake and Poor 1937b, p. 401 [Borneo].

TYPE: Holotype ♀, macropterous; Sandakan, Borneo; Drake Coll. (USNM).

DISTRIBUTION: Greater Sunda Islands (Borneo).

HOST PLANT: Unrecorded.

Genus PHAENOTROPIS Horváth

Monosteira (Phaenotropis) Horváth 1906a, p. 106.—Oshanin 1908, p. 456; 1912, p. 46.

Phaenotropis: Drake 1957a, p. 415.—Drake and Ruhoff 1960a, p. 76.

TYPE SPECIES: *Monanthia (Monosteira) parvula* Signoret.

***Phaenotropis cleopatra** (Horváth)

Monosteira cleopatra Horváth 1905b, p. 572 [Egypt]; 1911c, p. 109.

Monosteira (Phaenotropis) cleopatra: Horváth 1906a, p. 107.

Monostira [sic] (*Phaenotropis*) *cleopatra*: Priesner and Alfieri 1953, p. 66 [*Panicum turgidum*].

Phaenotropis cleopatra: Drake 1957a, p. 415 [Aden].

TYPE: Sex unknown; Egypt; Vienna Mus.

DISTRIBUTION: Egypt; Aden Protectorate; India; Israel.

HOST PLANTS: *Panicum turgidum*; *Tephrosia* sp.

***Phaenotropis parvula** (Signoret)

Monanthia (*Monosteira*) *parvula* Signoret 1865, p. 117 [France].

Monanthia parvula: Walker 1873a, p. 190.—Puton 1879c, p. 124.—Rey 1893, p. 97 [*Dorycnium suffruticosum*].

Monosteira (*Phaenotropis*) *parvula*: Horváth 1906a, p. 107.

Monosteira parvula: Stichel 1926, p. 116; 1935, p. 349; 1938a, p. 408; 1960a, p. 344, fig. 182 [Sardinia]; 1960b, p. 401; 1960c, p. 140.—Blöte 1945, p. 92.

Monostira [sic] *parvula*: Gulde 1938, p. 321.—Gomez-Menor 1949, p. 161, fig. [Spain]; 1955b, p. 249.

Phaenotropis parvula: Drake 1957a, p. 415.

TYPE: Sex unknown; France; Vienna Mus.

DISTRIBUTION: France; Spain; Sardinia; Senegal.

HOST PLANT: *Dorycnium suffruticosum*.

Genus PHAEOCHILA Drake and Hambleton

Phaeochila Drake and Hambleton 1945, p. 358.—Drake and Ruhoff 1960a, p. 75.

TYPE SPECIES: *Amblystira hirta* Monte.

***Phaeochila hirta** (Monte)

Amblystira hirta Monte 1940e, p. 284, fig. 5 [Brazil].

Phaeochila hirta: Drake and Hambleton 1945, p. 359 [Peru].

TYPE: Holotype ♀; Catanduva, São Paulo, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil; Peru.

HOST PLANT: Unrecorded.

Genus PHYMACYSTA Monte

Phymacysta Monte 1942d, p. 106.—Hurd 1946, p. 476.—Drake and Ruhoff 1960a, p. 77.

TYPE SPECIES: *Leptostyla tumida* Champion.

***Phymacysta magnifica** (Drake)

Gelchossa magnifica Drake 1922c, p. 373 [Brazil].

Leptopharsa magnifica: Drake 1930a, p. 1; 1931b, p. 511; 1935, p. 18 [Paraguay].—Drake and Hambleton 1938a, p. 63 [*Chuquiragua glabra*].—Monte 1939b, p. 74; 1941e, p. 115 [Argentina].

Phymacysta magnifica: Monte 1942d, p. 107.

TYPE: Holotype ♀; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil; Paraguay; Argentina.

HOST PLANT: *Chuquiragua glabra*.

***Phymacysta mcelfreshi** (Drake)

Leptostyla mcelfreshi Drake 1918a, p. 176 [Haiti].

Gelchossa mcelfreshi: Drake and Bruner 1924a, p. 149.

Phymacysta mcelfreshi: Hurd 1946, p. 476.

TYPE: Holotype ♂, macropterous; Port-au-Prince, Haiti; Drake Coll. (USNM).

DISTRIBUTION: Haiti.

HOST PLANT: Unrecorded.

***Phymacysta praestans** (Drake) (emendation)

Gelchossa praestantis Drake 1927b, p. 116 [Mexico].

Phymacysta praestantis: Monte 1942d, p. 107.

TYPE: Holotype ♀, macropterous; Montaña de Sumidero, Chiapas, Mexico; Drake Coll. (USNM).

DISTRIBUTION: Mexico.

HOST PLANT: Unrecorded.

***Phymacysta tumida** (Champion)

Leptostyla tumida Champion 1897, p. 14, pl. 1, figs. 17, 17a [Guatemala].—Van Duzee 1907, p. 19 [Jamaica].

Leptostyla malpighiae Drake 1922b, p. 38 [Cuba; *Malpighia urens*].

Gelchossa malpighiae: Drake and Bruner 1924a, p. 149.

Gelchossa tumida: Drake and Bruner 1924a, p. 150 [Haiti; Trinidad; cherry].—Gowdy 1926, p. 35.

Leptopharsa walcotti Drake 1928a, p. 55.

Leptopharsa cubana Drake 1928a, p. 56.

Leptopharsa tumida: Monte 1939b, p. 75 [Brazil; Venezuela; *Adenocalymma bracteatum*]; 1940d, p. 105 [*Malpighia puniceifolia*]; 1941e, p. 119.

Phymacysta tumida: Monte 1942d, p. 106, fig. 2.—Drake and Hambleton 1945, p. 362 [Peru; Ecuador; Panama].—Hurd 1946, p. 477 [*Malpighia glabra*].—Drake and Cobben 1960, p. 85, fig. 85 [Tex.; Mexico; Aruba; Curaçao; Bonaire; St. Eustatius].—Drake and Ruhoff 1962a, p. 156.

Phymacysta malpighiae: Monte 1942d, p. 107.

Phymacysta cubana: Monte 1942d, p. 107.

Phymacysta walcotti: Monte 1942d, p. 107.

Leptopharsa malpighiae: Bruner, Scaramuzza, and Otero 1945, p. 105.

Phymacysta malpighae [sic]: Drake and Hambleton 1945, p. 362.

TYPE: Sex unknown; Pantaleon, Guatemala; British Mus.

DISTRIBUTION: Brazil; Ecuador; Venezuela; Peru; Panama; Guatemala; Mexico; U.S. (Tex.); Jamaica; Haiti; Trinidad; Cuba; Netherlands Antilles (Aruba; Bonaire; Curaçao); Leeward Islands (St. Eustatius).

HOST PLANTS: *Adenocalymma bracteatum*; *Malpighia glabra*; *Malpighia puniceifolia*; *Malpighia urens*; cherry.

Phymacysta vesiculosa (Champion)

Leptostyla vesiculosa Champion 1897, p. 13, pl. 1, figs. 15, 15a [Panama].

Phymacysta vesiculosa: Monte 1942d, p. 107.

TYPE: Sex unknown; Bugaba, Panama; British Mus.

DISTRIBUTION: Panama.

HOST PLANT: Unrecorded.

Genus PHYSATOCHEILA Fieber

Monanthia (Physatocheila) Fieber 1844, p. 80.

Physatochila: Stål 1873, pp. 120, 129; 1874, p. 56.—Lethierry and Severin 1896, p. 21.—Oshanin 1908, p. 447; 1912, p. 45.—Banks 1910, p. 57.—Osborn and Drake 1916a, p. 242 (key).—Stichel 1935, p. 349; 1938a, p. 408; 1938b, p. 454.—Gulde 1938, pp. 245, 305 (key).—Singer 1952, p. 54.

Phyllochisme Kirkaldy 1904, p. 280.—Drake and Ruhoff 1960a, p. 76.

Physatocheila: Horváth 1906a, pp. 15, 94 (key).—Mužik 1907, pp. 51, 61.—Van Duzee 1916, p. 25; 1917b, p. 219.—Osborn and Drake 1917a, p. 155 (key).—Stichel 1926, pp. 105, 114 (key); 1960a, p. 332; 1960b, p. 399; 1960c, p. 138.—de Seabra 1931, pp. 408, 432.—China 1943, p. 247; 1952, p. 50 (key).—Hurd 1946, p. 451.—Kiritshenko 1951, pp. 242, 252 (key).—Drake and Ruhoff 1960a, p. 77.

TYPE SPECIES: *Acanthia quadrimaculata* Wolff=*Acanthia costata* Fabricius.

***Physatocheila aglaia** Drake and Ruhoff

Physatocheila aglaia Drake and Ruhoff 1961b, p. 131, fig. 8 [Burma].

TYPE: Holotype ♂, macropterous; Mandalay, Burma; Drake Coll. (USNM).

DISTRIBUTION: Burma.

HOST PLANT: Unrecorded.

***Physatocheila arbicola** Drake

Physatocheila arbicola Drake 1958a, p. 102 [Angola].

TYPE: Holotype ♂; Cazombo, Angola; Cent. Afr. Mus.

DISTRIBUTION: Angola.

HOST PLANT: Unrecorded.

***Physatocheila biseriata** Hacker

Physatochila biseriata Hacker 1929, p. 327, pl. 33, fig. 5 [Queensland].

TYPE: Sex unknown; Brookfield, Queensland, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Physatocheila brevirostris** Osborn and Drake

Physatochila brevirostris Osborn and Drake 1916a, p. 243 [Ohio; N.Y.].

Physatocheila brevirostris: Osborn and Drake 1917a, p. 155.—Parshley 1917b, p. 56 [Mass.]; 1922a, p. 236 [Conn.]; 1923b, p. 706.—Barber

1922a, p. 17.—McAttee 1923, p. 145 [Md.; Va.].—Blatchley 1926, p. 484 [N.J.].—Drake 1928b, p. 102.—Hurd 1946, p. 452 [Que.; Pa.; Ill.].—Bailey 1951, p. 24.—Ash 1954, p. 185 [Ind.].

TYPE: Holotype ♀, macropterous; Chillicothe, Ross Co., Ohio, U.S.; Ohio State Univ.

DISTRIBUTION: U.S. (Mass.; Conn.; N.Y.; Pa.; N.J.; Md.; Va.; Ohio; Ill.; Ind.; Iowa); Canada (Que.).

HOST PLANT: Unrecorded.

***Physatocheila chatterjeei** Drake and Poor

Physatocheila chatterjeei Drake and Poor 1936b, p. 142 [India].

TYPE: Holotype ♀, macropterous; Bodyar, Chakrata Division, United Province; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

***Physatocheila civatis** Drake

Physatocheila civatis Drake 1942a, p. 10 [New South Wales]; 1961b, p. 107 [Queensland].

TYPE: Holotype ♂, macropterous; Mt. Wilson, New South Wales, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (New South Wales; Queensland).

HOST PLANT: Unrecorded.

***Physatocheila confinis** Horváth

Tingis (Physatocheila) quadrimaculata (not Wolff): Kolenati 1856, p. 427 (in part) [Caucasus].

Physatocheila confinis Horváth 1905b, p. 570 [Crimea; Armenia; Hungary; Yugoslavia; Turkey; Greece]; 1906a, p. 95 [Syria; *Pyrus communis*].—Stichel 1926, p. 114; 1960a, p. 333 [France].—Kiritshenko 1951, p. 252.—Novak and Wagner 1951, p. 71 [*Quercus pubescens*; *Ostrya carpinifolia*].—Hoberlandt 1955, p. 94 [Transcaucasus; *Quercus ilex*; *Quercus coccifera*].

Physatochila confinis: Stichel 1938a, p. 408 [Austria; Albania].—Gomez-Menor 1954, p. 390.

TYPE: Unknown.

DISTRIBUTION: France; Austria; Hungary; Yugoslavia; Albania; Greece; Turkey; Syria; U.S.S.R. (Caucasus; Transcaucasus; Crimea; Armenia).

HOST PLANTS: *Ostrya carpinifolia*; *Pyrus communis*; *Quercus coccifera*; *Quercus ilex*; *Quercus pubescens*.

Physatocheila confinis var. **putoni** Horváth

Monanthia dumetorum var. *Puton* 1881, p. 123.

Physatocheila confinis var. *putoni* Horváth 1911b, p. 584 [Syria].

TYPE: Holotype ♀; Damascus, Syria; Hungarian Mus.

DISTRIBUTION: Syria.

HOST PLANT: Unrecorded.

**Physatocheila costata* (Fabricius)

- Acanthia costata* Fabricius 1794, p. 77.
- Tingis costata*: Fabricius 1803, p. 125.—Latrielle 1804, p. 253.
- Acanthia quadrimaculata* Wolff 1804, p. 132, pl. 13, fig. 127.
- Tingis 4-maculata*: Fallén 1829, p. 144.—Herrich-Schaeffer 1835, p. 58.
- Tingis corticea* Herrich-Schaeffer 1830, heft 18, tab. 22 [Germany].
- Monanthia 4-maculata*: Burmeister 1835, p. 261.—Thomson 1871, p. 398.—Jakovlev 1893, p. 294.
- Monanthia quadrimaculata*: Herrich-Schaeffer 1838, p. 58, pl. 125, fig. a.—Mayr 1858, p. 571.—Fieber 1861, p. 124.—Frey-Gessner 1865, p. 232 [Switzerland; *Chrysanthemum*].—Garbiglietti 1869, p. 273.—Gredler 1870, p. 75.—Jakovlev 1875b, p. 262; 1880b, p. 108.—Reiber and Puton 1876, p. 69.—Hüeber 1893, p. 345.—Jensen-Haarup 1912, pp. 155, 156, fig. 99 [Denmark].
- Monanthia (Physatocheila) quadrimaculata*: Fieber 1844, p. 81, pl. 7, figs. 1-3 [Czechoslovakia; Austria; Italy; Sweden].—Herrich-Schaeffer 1850, p. 154.
- Monanthia costata*: Scholz 1847, p. 120.—Mayr 1858, p. 570.—Frey-Gessner 1865, p. 232.—Garbiglietti 1869, p. 273.—Gredler 1870, p. 75.—Puton 1874a, p. 227.—Ferrari 1885, p. 411.—d'Antessanty 1890, p. 33.
- Monanthia (Tropidocheila) quadrimaculata*: Sahlberg 1848, p. 132 [Finland].
- Monanthia (Physatocheila) 4-maculata*: Flor 1860, p. 350 [France; Caucasus; Transcaucasus; Estonia; Latvia; *Arnebia cornuta*].
- Lacometopus costata*: Stål 1868, p. 92.
- Eurycera costata*: Stål 1873, p. 129.
- Physatochila quadrimaculata*: Stål 1873, p. 129; 1874, p. 57.—Reuter 1882b, p. 120 [*Alnus*].—Oshanin 1908, p. 448 [Belgium; Hungary].—Schumacher 1914, p. 258 (in part) [*Quercus*].—Scholte 1935, p. 78, fig. 22 [Netherlands].—Börner 1935, p. 78.—Gulde 1938, p. 308, fig. [*Alnus incana*].
- Monanthia 4-maculata* [sic]: Siebke 1874, p. 23 [Norway].
- Physatochila 4-maculata*: Sahlberg 1878, p. 21.—Lindberg 1927, p. 20; 1932a, p. 43 [Spain].
- Monanthia (Physatochila) quadrimaculata*: Puton 1879c, p. 120.
- Copium costatum*: Horváth 1906a, p. 94.
- Physatocheila quadrimaculata*: Horváth 1906a, pp. 94, 95 [Siberia; *Alnus glutinosa*].—Reichensperger 1920, p. 62.—Sahlberg 1920, p. 84 [*Populus tremula*].—Stichel 1926, p. 114, fig. 204; 1960a, p. 164 [Poland; Yugoslavia; Rumania; *Betula*].—Hoberlandt 1942, p. 126; 1943b, p. 124.—Blöte 1945, p. 89.—Kiritshenko 1951, p. 252.—China 1952, p. 49, figs. 1 b, d [*Alnus montana*].—Štušák 1957b, p. 140.—Bator 1953a, p. 326, pl. 3, fig. 4.—Cobben 1958a, p. 10, figs. 11, 12, 14.

Paracopium costatum: Horváth 1929, p. 322.

Physatocheila costata: Drake and Ruhoff 1960a, p. 77, pl. 9.

TYPE: Sex unknown; "Europa boreali"; Kiel Coll. (Copenhagen Mus.).

DISTRIBUTION: Spain; France; Belgium; Netherlands; Germany; Czechoslovakia; Switzerland; Austria; Hungary; Poland; Italy; Yugoslavia; Rumania; Norway; Sweden; Finland; Denmark; Turkey; U.S.S.R. (Estonia; Latvia; Siberia; Caucasus; Transcaucasus).

HOST PLANTS: *Alnus glutinosa*; *Alnus montana*; *Alnus incana*; *Alnus* sp.; *Arnebia cornuta*; *Betula* sp.; *Chrysanthemum* sp.; *Populus tremula*; *Quercus* sp.

NOTE: Species not found in England [China].

**Physatocheila costata* subsp. *smreczynskii* China

Tingis quadrimaculata (not Wolff): Curtis 1839, tab. 741 [England; apple].

Monanthia quadrimaculata: Douglas and Scott 1865, p. 247.—Saunders 1875, p. 249.

Monanthia (Physatochila) quadrimaculata: Saunders 1892, p. 135, pl. 12, fig. 9.

Physatochila quadrimaculata: Oshanin 1908, p. 448 (in part); 1912, p. 45 (in part).—Schumacher 1914, p. 258 (in part).—Butler 1923, p. 213, fig. (in part).

Physatocheila quadrimaculata: China 1936, p. 271, fig. 1b; 1943, p. 247.

Physatocheila smreczynskii China 1952, p. 49, fig. 1c [Poland; Austria; *Prunus padus*; *Sorbus*].—Cobben 1958a, p. 10, figs. 11a-c [Netherlands; *Sorbus aucuparia*].—Förster 1959, p. 75.—Southwood and Leston 1959, p. 150, fig. 53.—Stichel 1960a, p. 334 [*Sorbus intermedia*; *Pyrus communis*; *Pyrus malus*].

Physatochila smreczynskii: Gomez-Menor 1955a, p. 260 [Spain]; 1955b, p. 249.

Physatocheila smreczynsky [sic]: Gomez-Menor 1956a, p. 112.

Physatocheila quadrimaculata subsp. *smreczynskii*: Wagner 1960, pp. 83–92, 4 pls.

TYPE: Holotype ♂; New Forest, Hants, England; British Mus.

DISTRIBUTION: England; Spain; Poland; Austria; Netherlands; Germany.

HOST PLANTS: *Crataegus* sp.; *Prunus padus*; *Pyrus communis*; *Pyrus malus*; *Sorbus aucuparia*; *Sorbus intermedia*; *Sorbus* sp.

**Physatocheila delicatula* Horváth

Physatocheila delicatula Horváth 1903a, p. 78 [Algeria]; 1906a, p. 95.—Drake and Ruhoff 1961c, p. 145.

Physatocheila chanceli Bergevin 1920, p. 412, fig. 1.

TYPE: Holotype ♂; Mont Edough, Algeria; deposition unknown.

DISTRIBUTION: Algeria.

HOST PLANT: Unrecorded.

Physatocheila distinguenda (Jakovlev)

Monanthia (Physatochila) distinguenda Jakovlev 1880a, p. 139 [Russia].

Physatocheila distinguenda: Horváth 1906a, p. 96.—Kiritschenko 1951, p. 252.—Stichel 1960a, p. 335 [Turkestan].

TYPE: Holotype ♀, macropterous; Sarepta, Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R. (Turkestan).

HOST PLANT: Unrecorded.

***Physatocheila dryadis** Drake and Poor

Physatocheila dryadis Drake and Poor 1936b, p. 143 [India; *Quercus dilatata*].—Singh 1953, p. 119.

TYPE: Holotype ♂, macropterous; Ramgarh, Naini Tal, United Provinces; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: *Quercus dilatata*.

***Physatocheila dumetorum** (Herrich-Schaeffer)

Monanthia dumetorum Herrich-Schaeffer 1838, p. 57, pl. 124, figs. 391, a, b, d, e.—Scholz 1847, p. 120.—Mayr 1858, p. 571 [Hungary].—Fieber 1861, p. 125 [*Mespilus oxyacantha*].—Douglas and Scott 1865, p. 246.—Frey-Gessner 1865, p. 232 [Switzerland; *Juniperus*].—Garbiglietti 1869, p. 273 [Italy].—Jakovlev 1876b, p. 67 [Russia].—Horváth 1874b, p. 432.—Saunders 1875, p. 249.—Reiber and Puton 1876, p. 69.—Bolivar and Chicote 1879, p. 166 [Spain].—Dubois 1888, p. 121.—d'Antessanty 1890, p. 33.—Hüeber 1893, p. 346 [*Prunus padus*].—Jensen-Haarup 1912, pp. 155, 157 [Denmark].—Butler 1923, p. 214 [Wales].

Tingis oxyacanthae Curtis 1839, pl. 16, tab. 741 [England; whitethorns].

Monanthia (Physatocheila) dumetorum: Fieber 1844, p. 82, pl. 7, figs. 4–6 [Czechoslovakia; Germany; Austria].—Herrich-Schaeffer 1850, p. 154.—Saunders 1892, p. 135.

Monanthia quadrimaculata (not Wolff): Costa 1847a, p. 22; 1847c, p. 162.—Vollenhoven 1878, p. 276, pl. 9, figs. 8, 8a [Netherlands].

Physatochila dumetorum: Stål 1874, p. 57.—Reuter 1891a, p. 26 [Greece]; 1908, p. 88 [*Crataegus*].—Oshanin 1908, p. 447 [Belgium; Portugal; Crimea].—Schumacher 1914, p. 258.—Lindberg 1932a, p. 43 [Morocco]; 1948, p. 59 [Cyprus; *Amygdalus*; *Acer obtusifolium*].—Scholte 1935, p. 78.—Börner 1935, p. 78.—Stichel 1938a, p. 408 [Turkey]; 1938b, p. 455.—Blöte 1945, p. 88 [Tunisia; Algeria].—Mancini 1949b, p. 37; 1953b, p. 186; 1953c, p. 22; 1953d, p. 16 [Sicily].—Priesner and Alfieri 1953, p. 65.—Gomez-Menor 1954, p. 388, fig. 8 [*Pinus*]; 1955a, p. 261, fig. 36; 1955b, p. 249; 1956a, p. 115, fig. 9.

Monanthia (Physatochila) dumetorum: Puton 1879c, p. 120 [France].

Physatocheila dumetorum: Horváth 1906a, p. 95 [Yugoslavia; Bulgaria; Egypt; *Crataegus oxycantha*; *Crataegus monogyna*; *Prunus domestica*; *Prunus spinosa*]; 1906d, p. 1; 1916, p. 9 [Albania].—Reichensperger 1920, p. 62.—Stichel 1926, p. 114 [*Pyrus malus*; *Pyrus communis*]; 1960a, p. 332, fig. 159 [Poland; *Acer creticum*].—de Seabra 1931, pp. 433, 444, figs. 504(1–5), 505.—China 1936, p. 271, fig. 1a.—Hoberlandt 1942, p. 126; 1943b, p. 124; 1955, p. 94 [Israel].—Kiritshenko 1951, p. 252.—Štušák 1957b, p. 140; 1961a, p. 82, fig. 10; pl. 1, fig. a.—Cobben 1958a, p. 12, fig. 13.—Southwood and Leston 1959, p. 150, pl. 21, fig. 5; pl. 25, fig. 1; fig. 51.

TYPE: Unknown.

DISTRIBUTION: Portugal; Spain; France; Netherlands; Belgium; Wales; England; Denmark; Germany; Czechoslovakia; Poland; Austria; Switzerland; Hungary; Italy; Sicily; Yugoslavia; Greece; Bulgaria; Albania; Cyprus; Turkey; U.S.S.R. (Crimea); Israel; Egypt; Algeria; Morocco; Tunisia.

HOST PLANTS: *Acer creticum*; *Acer obtusifolium*; *Amygdalus* sp.; *Crataegus monogyna*; *Crataegus oxycantha*; *Crataegus* sp.; *Juniperus* sp.; *Mespilus oxyacantha*; *Pinus* sp.; *Prunus domestica*; *Prunus padus*; *Prunus spinosa*; *Pyrus communis*; *Pyrus malus*.

NOTE: Life history study [Butler]. Eggs [Štušák].

**Physatocheila enalla* Drake and Ruhoff

Physatocheila enalla Drake and Ruhoff 1961b, p. 132 [Burma].

TYPE: Holotype ♀, macropterous; Mandalay, Burma; Drake Coll. (USNM).

DISTRIBUTION: Burma.

HOST PLANT: Unrecorded.

**Physatocheila enodis* Drake

Physatocheila enodis Drake 1948a, p. 3 [China].

TYPE: Holotype ♂, macropterous; Tsinleong, East Kwantung, China; Drake Coll. (USNM).

DISTRIBUTION: China.

HOST PLANT: Unrecorded.

**Physatocheila exolasca* Drake

Physatocheila exolasca Drake 1954b, p. 2 [India].

TYPE: Holotype ♂, macropterous; Dehra Dun, India; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

Physatocheila fasciata (Fieber)

Monanthia (Physatocheila) fasciata Fieber 1844, p. 84, pl. 7, figs. 13-16 [Ostindien].—Herrich-Schaeffer 1850, p. 154.

Monanthia fasciata: Stål 1873, p. 134 [India orientalis].—Distant 1903b, p. 145 [India].

Physatocheila fasciata: Drake 1937b, p. 592 [China].

TYPE: "Ostindien"; sex and deposition of type unknown.

DISTRIBUTION: China; India.

HOST PLANT: Unrecorded.

Physatocheila ferruginea Bergroth

Physatocheila ferruginea Bergroth 1912, p. 146 [Guinea].

TYPE: Holotype ♀; Assini, Guinea; Helsin. Mus.

DISTRIBUTION: Guinea.

HOST PLANT: Unrecorded.

***Physatocheila fulgoris** Drake

Physatocheila fulgoris Drake 1937b, p. 592 [China].

TYPE: Holotype ♂, macropterous; Wong-sa-shue, S. Kiangsi, South China; Drake Coll. (USNM).

DISTRIBUTION: China.

HOST PLANT: Unrecorded.

Physatocheila gibba (Fieber)

Monanthia (Physatocheila) gibba Fieber 1844, p. 83, pl. 7, figs. 7-12 [Ostindien].—Herrich-Schaeffer 1850, p. 154.

Monanthia gibba: Stål 1873, p. 134.—Lethierry and Severin 1896, p. 25.

Physatocheila gibba: Drake and Ruhoff 1960c, p. 29.

TYPE: "Ostindien"; sex and deposition of type unknown.

DISTRIBUTION: Uncertain.

HOST PLANT: Unrecorded.

***Physatocheila harwoodi** China

Physatocheila harwoodi China 1936, p. 271, fig. 1c [England; maples]; 1943, p. 247.—Stichel 1938b, p. 455 [Germany; *Acer*]; 1960a, p. 335 [*Acer platanoides*; *Acer pseudoplatanus*].—Southwood and Leston 1959, p. 151, fig. 52.

TYPE: Sex unknown; Witchampton, Dorsetshire, England; British Mus.

DISTRIBUTION: England; Germany.

HOST PLANTS: *Acer platanoides*; *Acer pseudoplatanus*; *Acer* sp.

Physatocheila irregularis Montrouzier

Physatocheila irregularis Montrouzier 1861, p. 68 [Lifu].—Stål 1873, p. 134.—Drake and Ruhoff 1961c, p. 145, fig. 1.

Monanthia irregularis: Walker 1873a, p. 196.

TYPE: Holotype ♂, macropterous; Lifu, Loyalty Islands; Vienna Mus.

DISTRIBUTION: Loyalty Islands (Lifu).

HOST PLANT: Unrecorded.

***Physatocheila katbergana** Drake

Physatocheila [sic] *katbergana* Drake 1953d, p. 212 [Cape Province].

TYPE: Holotype ♂; Katberg, Cape Province, South Africa; British Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

***Physatocheila lautana** Drake and Ruhoff

Physatocheila lautana Drake and Ruhoff 1961b, p. 133 [Laut].

TYPE: Holotype ♂, macropterous; Laut Island, Macassar Strait, near Borneo; Drake Coll. (USNM).

DISTRIBUTION: Laut Island.

HOST PLANT: Unrecorded.

***Physatocheila lenis** Drake and Poor

Physatocheila lenis Drake and Poor 1939c, p. 204 [India].

TYPE: Holotype ♀, macropterous; Chakrata, United Provinces; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

***Physatocheila major** Osborn and Drake

Physatocheila major Osborn and Drake 1917a, pp. 155, 158, fig. 1d [Ill.].—McAtee 1923, p. 145 [Md.; Va.; D.C.].—Blatchley 1926, p. 484.—Froeschner 1944, p. 669.—Hurd 1946, p. 452 [Ind.].

TYPE: Holotype ♀, macropterous; Urbana, Illinois, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Ill.; Ind.; Md.; Va.; D.C.).

HOST PLANT: Unrecorded.

***Physatocheila marginata** (Distant)

Teleonemia marginata Distant 1909a, p. 121 [India]; 1910a, p. 123, fig. 64.

Physatochila marginata: Bergroth 1921, p. 105.—Drake and Poor 1937b, p. 399 [Luzon].

Cysteochila (*Parada*) *marginata*: Horváth 1925a, p. 3.

TYPE: Sex unknown; Margherita, Assam; British Mus.

DISTRIBUTION: India; Philippine Islands (Luzon).

HOST PLANT: Unrecorded.

***Physatocheila muluana** Drake

Physatocheila muluana Drake 1954g, p. 661, fig. 3 [Ethiopia].

TYPE: Holotype ♀; Mulu, Ethiopia; British Mus.

DISTRIBUTION: Ethiopia.

HOST PLANT: Unrecorded.

Physatocheila municeps Horváth

Physatocheila municeps Horváth 1903a, p. 78 [Algeria]; 1906a, p. 95.

TYPE: Holotype ♂; Oued-Harris, Algeria; deposition unknown.

DISTRIBUTION: Algeria.

HOST PLANT: Unrecorded.

***Physatocheila objicis** Drake

Physatocheila objicis Drake 1942a, p. 10 [Victoria]; 1961b, p. 108 [New South Wales; Queensland].

TYPE: Holotype ♂, macropterous; Kista, Victoria, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Victoria; Queensland; New South Wales).

HOST PLANT: Unrecorded.

***Physatocheila orientis** Drake

Physatocheila orientis Drake 1942a, p. 9 [Japan].—Takeya 1953a, p. 2 [Manchuria]; 1953d, p. 173, pl. 6, fig. 2.

Physatochila orientis: Takeya 1951a, p. 20.

TYPE: Holotype ♀, macropterous; Sapporo, Hokkaido, Japan; Drake Coll. (USNM).

DISTRIBUTION: Japan; China (Manchuria).

HOST PLANT: Unrecorded.

***Physatocheila plexa** (Say)

Tingis plexus Say 1832, p. 27.—Fitch 1857, p. 794.—Le Conte 1859, p. 349.

Physatochila plexa: Stål 1873, p. 129 [Ill.].—Provancher 1886, p. 160 [Canada].—Uhler 1886, p. 22.—Wirtner 1904, p. 202 [Pa.].—Van Duzee 1905, p. 549 [N.Y.]; 1912, p. 323.—Torre-Bueno 1910, p. 31.—Parshley 1914, p. 145 [Maine].

Physatocheila plexa: Smith 1910, p. 149 [N.J.].—Parshley 1916a, p. 165 [R.I.]; 1917b, p. 56 [Mass.]; 1923b, p. 705, fig. 164 [Conn.].—Van Duzee 1917b, p. 219 [Ind.; W. Va.; Mich.; Que.; Ont.].—Osborn and Drake 1917a, p. 156 [Nebr.; Kans.; Iowa; Wis.].—Barber 1922a, p. 17 [willow].—McAtee 1923, p. 145 [*Kalmia latifolia*].—Torre-Bueno 1926a, p. 54; 1929, p. 311.—Blatchley 1926, p. 484, pl. 4, fig. 4 [Va.; D.C.; oak; hickory].—Drake 1928b, p. 102.—Froeschner 1944, p. 669.—Proctor 1946, p. 75.—Bailey 1951, p. 25 [N.H.].

Physatocheila parshleyi Osborn and Drake 1917a, pp. 155, 156, figs. 1 a-c (in part).

TYPE: Presumably lost.

DISTRIBUTION: U.S. (Maine; N.H.; Mass.; R.I.; Conn.; N.Y.; N.J.; Pa.; Md.; D.C.; Va.; W. Va.; Ind.; Ill.; Mich.; Wis.; Nebr.; Iowa; Kans.); Canada (Ont.; Que.; N.S.).

HOST PLANTS: *Kalmia latifolia*; hickory; willow; oak.

***Physatocheila pulchella** Lindberg

Physatocheila pulchella Lindberg 1932a, p. 43, pl. 2, fig. 6 [Morocco].

TYPE: Sex unknown; Morocco; Helsin. Mus.

DISTRIBUTION: Morocco.

HOST PLANT: Unrecorded.

***Physatocheila ruris** Drake

Physatocheila ruris Drake 1942a, p. 11 [China].

TYPE: Holotype ♀, macropterous; Krvangtung, Kan-lin San, South China; Drake Coll. (USNM).

DISTRIBUTION: China.

HOST PLANT: Unrecorded.

***Physatocheila scotti** Drake

Physatocheila scotti Drake 1954g, p. 660, fig. 2 [Ethiopia].

TYPE: Holotype ♂; Doukam, Ethiopia; British Mus.

DISTRIBUTION: Ethiopia.

HOST PLANT: Unrecorded.

***Physatocheila senegalensis** Drake

Physatocheila senegalensis Drake 1954a, p. 234 [Senegal].

TYPE: Holotype ♂; Bambery, Senegal; Inst. Fr. Afr. N.

DISTRIBUTION: Senegal.

HOST PLANT: Unrecorded.

***Physatocheila stricta** Bergevin

Physatocheila stricta Bergevin 1929, p. 114, fig. 1 [Algeria].

TYPE: Holotype ♀; Tamanrasset, Algeria; Paris Mus.

DISTRIBUTION: Algeria.

HOST PLANT: Unrecorded.

***Physatocheila suttoni** Drake

Physatocheila irregularis (not Montrouzier) Hacker 1929, p. 328, pl. 33, fig. 6 [Queensland].

Physatocheila suttoni Drake 1947c, p. 121.

TYPE: Sex unknown; Stanthorpe, Queensland, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Physatocheila thomasi** Drake

Physatocheila thomasi Drake 1956b, p. 111 [Kenya].

TYPE: Holotype ♂, macropterous; Limuru, Kenya Colony; Drake Coll. (USNM).

DISTRIBUTION: Kenya.

HOST PLANT: Unrecorded.

***Physatocheila uniseriata** Hacker

Physatochila uniseriata Hacker 1929, p. 327, pl. 33, fig. 7 [South Australia; Western Australia; New South Wales].

TYPE: Sex unknown; Mount Lofty Ranges, South Australia; So. Austr. Mus.

DISTRIBUTION: Australia (South Australia; Western Australia; New South Wales).

HOST PLANT: Unrecorded.

***Physatocheila variegata** Parshley

Physatocheila variegata Parshley 1916a, p. 166 [N.Y.; W.Va.; Mass., Conn.; pine]; 1917b, p. 56 [Maine]; 1919a, p. 24 [B.C.]; 1923b, p. 705.—Barber 1922a, p. 17 [N.J.; hickory; willow].—Downes 1925, p. 18, fig. 9 [*Salix lasiandra*].—Blatchley 1926, p. 485 [Ind.].—Froeschner 1944, p. 669 [Mo.].—Hurd 1946, p. 452 [Ill.].—Proctor 1946, p. 75.—Bailey 1951, p. 26 [N.H.; Va.].

Physatochila plexa (not Say): Osborn and Drake 1916a, p. 242 [Iowa; Mich.; Ont.].—Downes 1927a, p. 10 [alder; cottonwood].

Physatocheila plexa var. *variegata*: Drake 1928b, p. 102.

TYPE: Holotype ♂; Gowanda, New York, U.S.; deposition unknown.

DISTRIBUTION: U.S. (Maine; N.H.; Mass.; Conn.; N.Y.; N.J.; Va.; W. Va.; Ill.; Ind.; Mo.; Iowa; Mich.); Canada (Ont.).

HOST PLANTS: *Salix lasiandra*; hickory; pine; cottonwood; alder.

***Physatocheila variegata** var. *ornata* Van Duzee

Physatochila plexa (not Say): Van Duzee 1914, p. 11.

Physatocheila ornata Van Duzee 1917a, p. 259 [Calif.].

Physatocheila parshleyi Osborn and Drake 1917a, p. 156 (in part) [Oreg.].

Physatocheila plexa: Osborn and Drake 1917a, p. 156 (in part) [Idaho].

Physatocheila variegata var. *ornata*: Hurd 1946, p. 452.

TYPE: Holotype ♀; Lake County, California, U.S.; Cal. Acad.

DISTRIBUTION: U.S. (Calif.; Oreg.; Idaho).

HOST PLANT: Unrecorded.

***Physatocheila veteris** Drake

Physatocheila veteris Drake 1942a, p. 10 [Japan].

Physatochila veteris: Takeya 1951a, p. 20.

TYPE: Holotype ♂, macropterous; Sapporo, Hokkaido, Japan; Drake Coll. (USNM).

DISTRIBUTION: Japan.

HOST PLANT: Unrecorded.

***Physatocheila weenenana** Drake

Physatocheila weenenana Drake 1953d, p. 212 [Natal; Kenya; Cape Province].

TYPE: Holotype ♂; Weenen, Natal, South Africa; British Mus.

DISTRIBUTION: South Africa (Natal; Cape Province); Kenya.

HOST PLANT: Unrecorded.

Physatocheila witmeri Mancini

Physatochila dumetorum subsp. *witmeri* Mancini 1960a, p. 105 [Lebanon].

Physatocheila witmeri: Stichel 1960a, p. 332.

TYPE: Sex unknown; Hasrun, Lebanon; Museo Civico Storia Naturale Milano, Milan, Italy.

DISTRIBUTION: Lebanon.

HOST PLANT: Unrecorded.

Genus PLACOTINGIS Drake

Placotingis Drake 1960, p. 369.

TYPE SPECIES: *Placotingis merga* Drake.

Placotingis merga Drake

Placotingis merga Drake 1960, p. 370, fig. 21 [New Guinea].

TYPE: Holotype ♂; Mt. Wilhelm, Northeast New Guinea; Bishop Mus.

DISTRIBUTION: New Guinea (Northeast).

HOST PLANT: Unrecorded.

Placotingis par Drake

Placotingis par Drake 1960, p. 370, fig. 22 [New Guinea].

TYPE: Holotype ♂; Wisselmeren, Entarotadi, Netherlands New Guinea; Bishop Mus.

DISTRIBUTION: New Guinea (Netherlands).

HOST PLANT: Unrecorded.

Genus PLANIBYRSA Drake and Poor

Planibyrsa Drake and Poor 1937c, p. 164.—Monte 1939b, p. 77; 1941e, p. 127.—Drake and Ruhoff 1960a, p. 78.

TYPE SPECIES: *Leptobyrsa splendida* Drake.

***Planibyrsa elegantula** (Drake)

Leptobyrsa elegantula Drake 1922c, p. 373, fig. 2b [Brazil]; 1931b, p. 511 [Peru]; 1936b, p. 700 [Argentina].—Monte 1937a, p. 32, fig. 11 [Bignoniaceae].

Planibyrsa elegantula: Drake and Poor 1937c, p. 165.—Drake and Hambleton 1938a, p. 65.—Kormilev 1955a, p. 66 [Bolivia].

TYPE: Holotype ♂; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil; Argentina; Peru; Bolivia.

HOST PLANT: Bignoniaceae.

***Planibyrsa montei** Drake and Hambleton

PLATE 40

Leptobyrsa splendida (not Drake): Monte 1937a, p. 32, fig. 2 [Brazil; *Serjania*].

Planibyrsa montei Drake and Hambleton 1938a, p. 65.—Monte 1938b, p. 129.—Singh 1953, p. 119.

TYPE: Holotype ♂; Belo Horizonte, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Serjania* sp.

***Planibyrsa sodalis** (Drake and Bondar)

Leptobyrsa sodalis Drake and Bondar 1932, p. 91 [Brazil; *Arrabidaea*].—
Costa Lima 1936, p. 128.

Planibyrsa sodalis: Drake and Poor 1937c, p. 165.—Silva 1956, p. 46.

TYPE: Holotype ♂, macropterous; Bahia, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Arrabidaea* sp.

***Planibyrsa splendida** (Drake)

Leptobyrsa splendida Drake 1922c, p. 374, fig. 2a [Brazil].

Planibyrsa splendida [sic]: Drake and Poor 1937c, p. 164.

Planibyrsa splendida: Monte 1940e, p. 287.—Silva 1956, p. 48.

TYPE: Holotype ♀; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

Genus PLATYTINGIS Drake

Platytingis Drake 1925b, p. 107.—Drake and Ruhoff 1960a, p. 78.

TYPE SPECIES: *Platytingis pediades* Drake.

***Platytingis pediades** Drake

Platytingis pediades Drake 1925b, p. 108, fig. [Malagasy].

TYPE: Holotype ♂, macropterous; Imamonto, Madagascar; Drake Coll. (USNM).

DISTRIBUTION: Malagasy Republic; Tanganyika.

HOST PLANT: Unrecorded.

Genus PLEROCHILA Drake

Plerochila Drake 1954c, p. 69.—Drake and Ruhoff 1960a, p. 78.

TYPE SPECIES: *Teleonemia australis* Distant.

***Plerochila australis** (Distant)

Teleonemia australis Distant 1904, p. 432, pl. 8, fig. 13 [Cape Province; *Olea europea*].

Cysteochila (Parada) australis: Horváth 1925a, p. 3.

Plerochila australis: Drake 1954c, p. 69 [Mozambique; Transvaal];
1954g, p. 663 [Ethiopia].—Oran 1956, p. 647 [Mauritius].

TYPE: Sex unknown; Capetown, South Africa; British Mus.

DISTRIBUTION: South Africa (Cape Province; Transvaal); Mozambique; Ethiopia; Mascarene Islands (Mauritius).

HOST PLANT: *Olea europea*.

***Plerochila horvathi** (Schouteden)

Cysteochila horvathi Schouteden 1907, p. 286 [Mauritius].

Cysteochila (*Parada*) *horvathi*: Horváth 1925a, p. 3.

Plerochila horvathi: Drake 1954c, p. 69 [Kenya; Tanganyika]; 1957e, p. 401 [Reunion; Congo; South-West Africa].—Orian 1956, p. 647.—Mamet 1957, p. 57.

Pleurochila [sic] *horvathi*: Drake and Mamet 1956, p. 301 [*Olea europea*; *Jasminum*].

TYPE: Sex unknown; Mauritius Island; Cent. Afr. Mus.

DISTRIBUTION: Mascarene Islands (Reunion; Mauritius); Tanganyika; Kenya; Congo; South-West Africa.

HOST PLANTS: *Jasminum* sp.; *Olea europea*.

***Plerochila rutshurica** Schouteden

Plerochila rutshurica Schouteden 1954, p. 140 [Congo; Ruanda; *Olea*].

TYPE: Unknown.

DISTRIBUTION: Congo; Ruanda-Urundi.

HOST PLANT: *Olea* sp.

***Plerochila zululandana** Drake

Plerochila (nom. nud.) *zululandana* Drake 1953d, p. 213 [Zululand].

TYPE: Holotype ♂; Eshowe, Zululand; British Mus.

DISTRIBUTION: South Africa (Zululand).

HOST PLANT: Unrecorded.

Genus PLESEOBYRSA Drake and Poor

Pleseobyrsa Drake and Poor 1937c, p. 165.—Hurd 1946, p. 470.—Drake and Ruhoff 1960a, p. 79.

TYPE SPECIES: *Pleseobyrsa boliviana* Drake and Poor.

***Pleseobyrsa ablusa** Drake and Hambleton

Pleseobyrsa ablusa Drake and Hambleton 1946b, p. 124 [Peru].

TYPE: Holotype ♂, macropterous; Changos, Peru; Drake Coll. (USNM).

DISTRIBUTION: Peru.

HOST PLANT: Unrecorded.

***Pleseobyrsa atratarsis** Drake and Hambleton

Pleseobyrsa atratarsis Drake and Hambleton 1944b, p. 127, fig. 1 [Brazil].—Drake and Davis 1960, fig. 49.

TYPE: Holotype ♀, macropterous; Poças de Caldas, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

Pleseobyrsa bicincta Monte

Pleseobyrsa bicincta Monte 1946b, p. 283 [Brazil].

TYPE: Holotype ♀; Palmerias, Monte Alegre, Mato Grosso, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Pleseobyrsa boliviana** Drake and Poor

Pleseobyrsa boliviana Drake and Poor 1937c, p. 165 [Bolivia].—Monte 1938b, p. 129.

TYPE: Holotype ♂, macropterous; Cochabamba, Bolivia; Drake Coll. (USNM).

DISTRIBUTION: Bolivia.

HOST PLANT: Avocado.

***Pleseobyrsa chiriquensis** (Champion)

Leptobyrsa chiriquensis Champion 1897, p. 27, pl. 2, figs. 16, 16a [Panama].

Pleseobyrsa chiriquensis: Drake and Poor 1937c, p. 165.—Monte 1942a, p. 97 [Venezuela]; 1947b, p. 432 [Colombia; *Persea americana*].—Hurd 1946, p. 471 [Costa Rica].

TYPE: Sex unknown; Panama; British Mus.

DISTRIBUTION: Panama; Colombia; Venezuela; Costa Rica.

HOST PLANT: *Persea americana*.

Pleseobyrsa lichyi Monte

Pleseobyrsa lichyi Monte 1945a, p. 251 [Venezuela].

TYPE: Holotype ♂; Carreteras Maracay-Ocumare, Aragua, Venezuela; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Venezuela.

HOST PLANT: Unrecorded.

Pleseobyrsa nigriceps (Champion)

Leptobyrsa nigriceps Champion 1897, p. 27, pl. 2, fig. 17 [Panama; Guatemala].

Pleseobyrsa nigriceps: Drake and Poor 1937c, p. 165.

TYPE: Sex unknown; Cerro Zunil, Guatemala; British Mus.

DISTRIBUTION: Panama; Guatemala.

HOST PLANT: Unrecorded.

***Pleseobyrsa peruana** Drake

Pleseobyrsa peruana Drake 1939d, p. 529 [Peru].

TYPE: Holotype ♂, macropterous; Peru; Drake Coll. (USNM).

DISTRIBUTION: Peru.

HOST PLANT: Unrecorded.

***Pleseobyrsa plicata** (Champion)

Leptobyrsa plicata Champion 1897, p. 26, pl. 2, fig. 15 [Panama].—
Swezey 1945, p. 372 [Costa Rica].

Pleseobyrsa plicata: Drake and Poor 1937c, p. 165.—Monte 1940e,
p. 286 [Venezuela].

Pleseobyrsa parana Drake and Hambleton 1944a, p. 95 [Brazil].

TYPE: Sex unknown; Bugaba, Panama; British Mus.

DISTRIBUTION: Panama; Venezuela; Brazil; Costa Rica.

HOST PLANT: Unrecorded.

NOTE: Intercepted on *Cattleya dowiana aurea* from Costa Rica at port-of-entry, Washington, D.C. [Swezey].

Genus PLIOBYRSA Drake and Hambleton

Pliobyrsa Drake and Hambleton 1946b, p. 123.—Drake and Ruhoff
1960a, p. 79.

TYPE SPECIES: *Leptopharsa inflexa* Drake and Hambleton.

***Pliobyrsa adversa** (Drake and Hambleton)

Leptopharsa adversa Drake and Hambleton 1938a, p. 60, fig. 10 [Brazil;
Ocotea].—Monte 1941e, p. 108.

Pleseobyrsa adversa: Monte 1940e, p. 286.

Pliobyrsa adversa: Drake and Hambleton 1946b, p. 123.

TYPE: Holotype ♂, macropterous; São Paulo, Brazil; Drake Coll.
(USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Ocotea* sp.

***Pliobyrsa inflexa** (Drake and Hambleton)

Leptopharsa inflexa Drake and Hambleton 1938b, p. 54, fig. 1 [Brazil;
Ocotea lanata].—Monte 1941e, p. 113.

Pliobyrsa inflata [sic]: Drake and Hambleton 1946b, p. 123.

TYPE: Holotype ♂, macropterous; São Paulo, Brazil; Drake Coll.
(USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Ocotea lanata*.

***Pliobyrsa lateris** Drake and Hambleton

Pliobyrsa lateris Drake and Hambleton 1946b, p. 124 [Guatemala].

TYPE: Holotype ♂, macropterous; Mazatenango, Guatemala; Drake Coll.
(USNM).

DISTRIBUTION: Guatemala.

HOST PLANT: Unrecorded.

***Pliobyrsa mollinediae** (Drake and Hambleton)

Leptobyrsa mollinediae Drake and Hambleton 1934, p. 445 [Brazil; *Mollinedia*].—Costa Lima 1936, p. 127.

Pleseobyrsa mollinediae: Drake and Poor 1937c, p. 165.—Monte 1939b, p. 77; 1941e, p. 128.

Pliobyrsa mollinediae: Drake and Hambleton 1946b, p. 123.—Drake and Davis 1960, fig. 63.

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Mollinedia* sp.

***Pliobyrsa pulcherrima** Monte

Pliobyrsa pulcherrima Monte 1947b, p. 430 [Brazil].

TYPE: Holotype ♂; Parque Nacional, Serra dos Órgãos, Teresópolis, Estado do Rio, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

Pliobyrsa translucida (Champion)

Leptobyrsa translucida Champion 1897, p. 26, pl. 2, figs. 14, 14a [Guatemala].

Stephanitis translucida: Hurd 1946, p. 482.

Pliobyrsa translucida: Drake and Hambleton 1946b, p. 123.

TYPE: Holotype macropterous; sex unknown; San Gerónimo, Guatemala; British Mus.

DISTRIBUTION: Guatemala.

HOST PLANT: Unrecorded.

NOTE: Champion states type apterous; his figure shows unique specimen with long elytra and no hind pair of wings.

Genus POGONOSTYLA Drake

Pogonostyla Drake 1953d, p. 221.—Drake and Ruhoff 1960a, p. 79.

TYPE SPECIES: *Pogonostyla intonsa* Drake.

***Pogonostyla afra** Drake and Smithers

Pogonostyla afra Drake and Smithers 1958, p. 315 [Natal].

TYPE: Holotype ♂, macropterous; Sweetwater, Natal, South Africa; Drake Coll. (USNM).

DISTRIBUTION: South Africa (Natal).

HOST PLANT: Unrecorded.

Pogonostyla crispa Drake

Pogonostyla crispa Drake 1958c, p. 327 [Malagasy].

TYPE: Holotype ♂; Périnet, Madagascar; Madagascar Sci. Inst.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Pogonostyla discrega** Drake and Smithers

Pogonostyla discrega Drake and Smithers 1958, p. 313, figs. 1 a, b [So. Rhodesia].

TYPE: Holotype ♂, macropterous; Penhalonga, Southern Rhodesia; Drake Coll. (USNM).

DISTRIBUTION: Southern Rhodesia.

HOST PLANT: Unrecorded.

***Pogonostyla herana** Drake

Pogonostyla herana Drake 1958c, p. 328 [Malagasy].

TYPE: Holotype ♂; Tongobory, Madagascar; Madagascar Sci. Inst.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

***Pogonostyla intonsa** Drake

Pogonostyla intonsa Drake 1953d, p. 222 [Natal].

TYPE: Holotype ♂; Verulan, Natal, South Africa; British Mus.

DISTRIBUTION: South Africa (Natal).

HOST PLANT: Unrecorded.

***Pogonostyla natalicola** (Distant)

Leptostyla natalicola Distant 1902a, p. 240, pl. 15, fig. 15 [Natal].

Pogonostyla natalicola: Drake 1953d, p. 222.

TYPE: Sex unknown; Natal, South Africa; British Mus.

DISTRIBUTION: South Africa (Natal).

HOST PLANT: Unrecorded.

Genus PONTANUS Distant

Pontanus Distant 1902b, p. 354.—Drake 1956f, p. 425.—Drake and Ruhoff 1960a, p. 79.

Teratochila Drake and Poor 1936b, p. 147.—Drake and Ruhoff 1960a, p. 84.

TYPE SPECIES: *Monanthia gibbifera* Walker.

***Pontanus accedens** (Drake) (emendation)

Teratocheila [sic] *accedentis* Drake 1947c, p. 120 [Australia].

TYPE: Holotype ♀, macropterous; Aldgate, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia.

HOST PLANT: Unrecorded.

***Pontanus cafer** (Distant)

Phyllontochila cafer Distant 1902a, p. 241, pl. 15, fig. 17 [Cape Province].

Tingis cafer: Blöte 1945, p. 86.

Pontanus cafer: Drake 1956f, p. 426.

TYPE: Sex unknown; Cape Colony, South Africa; So. Afr. Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

Pontanus gibbiferus (Walker)

Monanthia gibbifera Walker 1873a, p. 197 [Australia].—Lethierry and Severin 1896, p. 25.

Pontanus gibbiferus: Distant 1902b, p. 354.

TYPE: Sex unknown; Australia; British Mus.

DISTRIBUTION: Australia.

HOST PLANT: Unrecorded.

***Pontanus puerilis** (Drake and Poor)

Teratochila puerilis Drake and Poor 1936b, p. 147 [India; teak].—Singh 1953, p. 119.

TYPE: Holotype ♀, macropterous; Rahatgaon, Hoshangabad, Central Provinces; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: Teak.

Genus PSEUDACYSTA Blatchley

Pseudacysta Blatchley 1926, p. 497.—Hurd 1946, p. 459.—Drake and Ruhoff 1960a, p. 80.

TYPE SPECIES: *Acysta perseae* Heidemann.

***Pseudacysta perseae** (Heidemann)

Acysta perseae Heidemann 1908, p. 103, pl. 4, figs. a-c [Fla.; La.; *Persea carolinensis*; *Persea gratissima*; *Camphora officinalis*].—Barber 1914, p. 507.—Van Duzee 1917b, p. 223.—Moznette 1922, p. 17, figs. 12, 13.

Pseudacysta perseae [sic]: Blatchley 1926, p. 497, fig. 120.—Gibson and Carrillo 1959, p. 19.

Pseudacysta perseae: Hurd 1946, p. 459 [Tex.; Mexico].

TYPE: Holotype ♂, macropterous; Miami, Florida, U.S.; USNM.

DISTRIBUTION: U.S. (Fla.; La.; Tex.); Mexico.

HOST PLANTS: *Camphora officinalis*; *Persea carolinensis*; *Persea gratissima*.

NOTE: Life history study [Heidemann].

Genus PSILOYRSA Drake and Hambleton

Psilobyrza Drake and Hambleton 1935, p. 148.—Drake and Ruhoff 1960a, p. 80.

Psilobyrza [sic]: Monte 1941e, p. 129.

TYPE SPECIES: *Psilobyrza aechemeae* Drake and Hambleton.

***Psilobyrza aechemeae** Drake and Hambleton

Psilobyrza aechemeae Drake and Hambleton 1935, p. 149 [Brazil; *Aechmea*].

TYPE: Holotype ♂, macropterous; S. Vicente, São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Aechmea* sp.

****Psilobyrsa vriesiae* Drake and Hambleton**

Psilobyrsa vriesiae Drake and Hambleton 1935, p. 149, fig. 4 [Brazil; *Vriesia hoehneana*].

TYPE: Holotype ♂, macropterous; São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Vriesia hoehneana*.

Genus RADINACANTHA Hacker

Radinacantha Hacker 1929, p. 330.—Drake and Ruhoff 1960a, p. 80.

TYPE SPECIES: *Radinacantha reticulata* Hacker.

****Radinacantha prudens* Drake and Poor (emendation)**

Radinacantha prudentis Drake and Poor 1937a, p. 15 [Malagasy].

TYPE: Sex unknown (abdomen broken); Ambalamadakana, Madagascar; Drake Coll. (USNM).

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

****Radinacantha reticulata* Hacker**

Radinacantha reticulata Hacker 1929, p. 330, pl. 34, fig. 11 [Queensland; Bribie].

TYPE: Sex unknown; Samsonvale, Queensland, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland; Bribie Island).

HOST PLANT: Unrecorded.

****Radinacantha tasmanica* Hacker**

Radinacantha tasmanica Hacker 1929, p. 331, pl. 34, fig. 12 [Tasmania].

TYPE: Sex unknown; Strahan, Tasmania, Australia; So. Austr. Mus.

DISTRIBUTION: Australia (Tasmania; New South Wales).

HOST PLANT: Unrecorded.

Genus RECAREDUS Distant

*Recaredu*s Distant 1909b, p. 361; 1910a, p. 104.—Drake 1950a, p. 166.—

Drake and Ruhoff 1960a, p. 29.

TYPE SPECIES: *Recaredu*s *rex* Distant.

****Recaredu*s *rex* Distant**

*Recaredu*s *rex* Distant 1909b, p. 361 [West Bengal]; 1910a, p. 104, fig. 51.

TYPE: Sex unknown; Paresnath, West Bengal, India; Indian Mus.

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

NOTE: Taken at light. This genus belongs to subfamily Tinginae, tribe Tingini, not Cantacaderinae, and is here so transferred.

Genus RENAUDEA Drake

Renaudea Drake 1958c, p. 332.—Drake and Ruhoff 1960a, p. 80.

TYPE SPECIES: *Renaudea pauliani* Drake.

***Renaudea pauliani* Drake**

Renaudea pauliani Drake 1958c, p. 333, fig. 2 [Comoro].

TYPE: Holotype ♀; Fomboni, Mohéli, Iles Comores; Madagascar Sci. Inst.

DISTRIBUTION: Comoro Islands (Mohéli).

HOST PLANT: Unrecorded.

Genus SABESTENA Drake

Sabestena Drake 1944a, p. 67.—Drake and Ruhoff 1960a, p. 25.

TYPE SPECIES: *Sabestena africana* Drake.

****Sabestena africana* Drake**

Sabestena africana Drake 1944a, p. 67, fig. 6 [Kenya]; 1956a, p. 6 [Congo; Ethiopia].—Schouteden 1957c, p. 312.

TYPE: Holotype ♀, macropterous; Naburu, Kenya; Drake Coll. (USNM).

DISTRIBUTION: Kenya; Congo; Ethiopia.

HOST PLANT: Unrecorded.

****Sabestena alferii* Drake and Ruhoff**

Ceratinoderma sp. Priesner and Alferi 1953, p. 66 [Egypt; *Gymnocarpus decandrum*].

Sabestena alferii Drake and Ruhoff 1961b, p. 166.

TYPE: Holotype ♀, macropterous; Wadi Nouega, Egypt; Drake Coll. (USNM).

DISTRIBUTION: Egypt.

HOST PLANT: *Gymnocarpus decandrum*.

Genus SANAZARIUS Distant

Sanazarius Distant 1904, p. 431.—Drake and Ruhoff 1960a, p. 81.

TYPE SPECIES: *Sanazarius cuneatus* Distant.

****Sanazarius biseriatus* Drake**

Sanazarius biseriatus Drake 1953d, p. 217 [Cape Province].

TYPE: Holotype ♂, brachypterous; Swellendam, Cape Province, South Africa; British Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

****Sanazarius cuneatus* Distant**

Sanazarius cuneatus Distant 1904, p. 431, pl. 8, fig. 11 [Cape Province].

TYPE: Sex unknown; Grahamstown, Cape Colony, South Africa; British Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

***Sanazarius productus** Distant

Sanazarius productus Distant 1911a, p. 43, fig. [Cape Province].—Drake 1956f, p. 426 [*Protea*].

TYPE: Sex unknown; Grahamstown, Cape Colony, South Africa; So. Afr. Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: *Protea* sp.

NOTE: Figure p. 44 incorrectly labeled by Distant as "*Sanazarius inflatus*" instead of "*S. productus*."

Genus SCYMNOTINGIS Drake

Scymnotingis Drake 1960, p. 354.

TYPE SPECIES: *Scymnotingis sigillata* Drake.

Scymnotingis sigillata Drake

Scymnotingis sigillata Drake 1960, p. 355, fig. 10 [New Guinea].

TYPE: Holotype ♀; Daulo Pass, Asaro-Chimbu Divide, Northeast New Guinea; Bishop Mus.

DISTRIBUTION: New Guinea (Northeast).

HOST PLANT: Unrecorded.

Genus SINUESSA Horváth

Phyllontochila [sic] (*Sinuessa*) Horváth 1910, p. 63.

Phyllontocheila (*Sinuessa*): Horváth 1911a, pp. 329, 332 (key).

Sinuessa: Drake 1957c, p. 32.—Drake and Ruhoff 1960a, p. 81.

TYPE SPECIES: *Phyllontochila* (*Sinuessa*) *subinermis* Horváth.

***Sinuessa colens** (Drake) (emendation)

Belenus colentis Drake 1953d, p. 218 [Cape Province].

Sinuessa calentis [sic]: Drake 1957c, p. 32.

TYPE: Holotype ♂; Queenstown, Cape Province, South Africa; British Mus.

DISTRIBUTION: South Africa (Cape Province).

HOST PLANT: Unrecorded.

***Sinuessa nairobi** Drake

Sinuessa nairobi Drake 1957c, p. 34 [Kenya; Transvaal; Congo].

TYPE: Holotype ♀, macropterous; Nairobi, Kenya Colony; Drake Coll. (USNM).

DISTRIBUTION: Kenya; Congo; South Africa (Transvaal).

HOST PLANT: Unrecorded.

****Sinuessa subinermis* (Horváth)**

Phyllontochila (Sinuessa) subinermis Horváth 1910, p. 64 [Tanganyika].

Phyllontocheila (Sinuessa) subinermis: Horváth 1911a, pp. 329, 332.

Phyllontocheila subinermis: Schouteden 1916a, p. 272 [Eritrea].—Mancini 1939b, p. 162; 1954a, p. 143; 1956b, p. 78.—Drake 1954g, p. 663 [Ethiopia]; 1957a, p. 416 [Aden].

Sinuessa subinermis: Drake 1957c, p. 32.

Ammianus (Sinuessa) subinermis: Drake 1958a, p. 106 [Angola; Uganda; Kenya; So. Rhodesia].

TYPE: Sex unknown; Kibongoto, Kilimandjaro; Stockholm Mus.

DISTRIBUTION: Tanganyika; Kenya; Southern Rhodesia; Uganda; Angola; Aden Protectorate; Eritrea; Ethiopia.

HOST PLANT: Unrecorded.

****Sinuessa waelbroecki* (Schouteden)**

Phyllontocheila waelbroecki Schouteden (in Bergroth and Schouteden 1905, p. 381, fig. 1) [Congo]; 1916b, p. 292; 1923, p. 102.—Drake 1956f, p. 424 [Transvaal].

Phyllontochila (Sinuessa) waelbroecki: Horváth 1910, p. 63.

Phyllontocheila (Sinuessa) waelbroecki: Horváth 1911b, pp. 329, 332.

Sinuessa waelbroecki: Drake 1957c, p. 32; 1958b, p. 28 [Kenya].

Ammianus (Sinuessa) waelbroecki: Drake 1958a, p. 106 [Angola].

TYPE: Sex unknown; Kinchassa, Belgian Congo; Cent. Afr. Mus.

DISTRIBUTION: Congo; Kenya; Angola; South Africa (Transvaal).

HOST PLANT: Unrecorded.

Genus SPHAERISTA Kiritshenko

Sphaerista Kiritshenko 1951, pp. 240, 245.—Drake and Ruhoff 1960a, p. 81.

TYPE SPECIES: *Orthostira paradoxa* Jakovlev.

****Sphaerista paradoxa* (Jakovlev)**

Orthostira paradoxa Jakovlev 1880a, p. 128 [Russia]; 1893, p. 293.—Lethierry and Severin 1896, p. 7.

Acalypta paradoxa: Horváth 1906a, p. 34 [Siberia].—Oshanin 1908, p. 412; 1912, p. 42.

Sphaerista paradoxa: Kiritshenko 1951, p. 245, fig. 324.

TYPE: Holotype ♂, brachypterous; Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R. (Siberia).

HOST PLANT: Unrecorded.

Genus SPHAEROCYSTA Stål

Sphaerocysta Stål 1873, pp. 120, 128.—Lethierry and Severin 1896, p. 15.—Drake 1928a, p. 42.—Monte 1939b, p. 78; 1941e, p. 129.—

Drake and Ruhoff 1960a, p. 82.

TYPE SPECIES: *Tingis globifera* Stål.

Sphaerocysta angulata Monte

Sphaerocysta angulata Monte 1941a, p. 373, fig. 1 [Brazil; Bignoniaceae].

TYPE: Holotype ♂; Chavantes, São Paulo, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Bignoniaceae.

***Sphaerocysta biseriata** Drake

Sphaerocysta inflata var. *biseriata* Drake 1928a, p. 43 [Brazil].

Sphaerocysta biseriata: Drake and Hambleton 1934, p. 438.

TYPE: Holotype ♂; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Sphaerocysta brasiliensis** Monte

Sphaerocysta brasiliensis Monte 1938c, p. 64, fig. [Brazil]; 1939a, p. 516 fig. [redescribed].

TYPE: Holotype ♂; Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Sphaerocysta egregia** Drake

Sphaerocysta egregia Drake 1928a, p. 44 [Brazil].

TYPE: Holotype ♂; Corumba, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Sphaerocysta fumosa** Drake

Sphaerocysta fumosa Drake 1928a, p. 44 [Brazil].

TYPE: Holotype ♀, macropterous; Para, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Sphaerocysta globifera** (Stål)

Tingis ? *globifera* Stål 1858, p. 65 [Brazil].—Walker 1873a, p. 181.

Sphaerocysta globifera: Stål 1873, p. 128.—Drake 1929, p. 35; 1930b, p. 25; 1935, p. 11.—Drake and Hambleton 1934, p. 438 [Bignoniaceae].—Costa Lima 1936, p. 130.—Drake and Poor 1937d, p. 305.—Silva 1956, p. 48, figs. 18, 18a.

Sphaerocysta globifera [sic]: Drake 1928a, p. 43.

TYPE: Sex unknown; Brazil; Stockholm Mus.

DISTRIBUTION: Brazil; Paraguay.

HOST PLANTS: Bignoniaceae; hollyhocks.

***Sphaerocysta inflata** (Stål)

Tingis ? inflata Stål 1858, p. 64 [Brazil].—Walker 1873a, p. 181.

Sphaerocysta inflata: Stål 1873, p. 128.—Drake 1930a, p. 1; 1935, p. 11 [Paraguay]; 1936b, p. 699 [Argentina].—Drake and Hambleton 1934, p. 438 [Bignoniaceae].—Costa Lima 1936, p. 130.—Drake and Poor 1937d, p. 305, pl. 36, fig. 5; 1939b, p. 96.—Monte 1938b, p. 131; 1939b, p. 78 [Bolivia].—Kormilev 1955a, p. 67.—Drake and Davis 1960, fig. 69.

TYPE: Holotype ♀; Brazil; Stockholm Mus.

DISTRIBUTION: Brazil; Argentina; Paraguay; Bolivia.

HOST PLANT: Bignoniaceae.

Sphaerocysta maculata Monte

Sphaerocysta maculata Monte 1942a, p. 95, fig. 2 [Brazil].

TYPE: Holotype ♂; Palmeiras, Impaussy, São Paulo, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Sphaerocysta nosella** Drake and Hambleton

Sphaerocysta nosella Drake and Hambleton 1945, p. 358 [Ecuador].

TYPE: Holotype ♂, macropterous; Vinces, Ecuador; Drake Coll. (USNM).

DISTRIBUTION: Ecuador.

HOST PLANT: Unrecorded.

***Sphaerocysta paris** Drake

Sphaerocysta paris Drake 1939d, p. 529 [Brazil].—Silva 1956, p. 48.—Drake and Ruhoff 1961c, p. 145.

Sphaerocysta romani Drake 1947, p. 2.

TYPE: Holotype ♀; Bahia, Brazil; Hungarian Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Sphaerocysta propria** Drake and Poor

Sphaerocysta propria Drake and Poor 1939a, p. 31 [Brazil].

TYPE: Holotype ♀, macropterous; Rio Grande do Sul, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Sphaerocysta stali** Drake

Sphaerocysta globifera (not Stål): Champion 1898b, pl. 2, figs. 11, 11a (fig. only).

Sphaerocysta stali Drake 1928a, p. 43 [Brazil].—Drake and Bondar 1932, p. 87.—Silva 1956, p. 51.

TYPE: Holotype ♂; Rio de Janeiro, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

Genus STENOCYSTA Champion

Stenocysta Champion 1897, p. 28.—Hurd 1946, p. 473.—Drake and Ruhoff 1960a, p. 82.

TYPE SPECIES: *Stenocysta pilosa* Champion.

Stenocysta pilosa Champion

Stenocysta pilosa Champion 1897, p. 29, pl. 2, figs. 18, 18 a, b [Panama].

TYPE: Holotype ♀; Bugaba, Panama; British Mus.

DISTRIBUTION: Panama.

HOST PLANT: Unrecorded.

Genus STEPHANITIS Stål

Stephanitis Stål 1873, pp. 119, 123; 1874, p. 53.—Horváth 1906a, pp. 14, 54 (key); 1912b, pp. 319–339 (key).—Oshanin 1908, p. 424; 1912, p. 43.—Van Duzee 1917b, p. 216.—Stichel 1926, p. 110; 1935, p. 349; 1938a, p. 406; 1960a, p. 300; 1960b, p. 394; 1960c, p. 133.—de Seabre 1931, pp. 407, 419.—Börner 1935, pp. 73, 76 (key).—Gulde 1938, pp. 243, 277 (key).—China 1943, p. 246.—Blöte 1945, p. 83.—Hurd 1946, p. 481.—González 1948, p. 50.—Drake 1948b, pp. 45–56 (catalog).—Kiritshenko 1951, pp. 242, 247.—Takeya 1951a, p. 7.—Drake and Maa 1953, pp. 99–101 (catalog).—Gomez-Menor 1954, p. 369.—Drake and Ruhoff 1960a, p. 82.

Tingis (not Fabricius): Laporte 1833, p. 48.—Drake and Ruhoff 1960a, p. 86.

Tingis (not Fabricius): Lethierry and Severin 1896, p. 12.—Drake and Ruhoff 1960a, p. 86.

Cadamustus Distant 1903a, p. 47; 1903b, p. 132; 1910a, p. 108.—Drake and Ruhoff 1960a, p. 41.

Maecenas Kirkaldy 1904, p. 280.—Drake and Ruhoff 1960a, p. 67.

Calliphanes Horváth 1906b, p. 34.—Drake and Ruhoff 1960a, p. 41.

Mokanna Distant 1910a, p. 111.—Drake and Ruhoff 1960a, p. 68.

TYPE SPECIES: *Acanthia pyri* Fabricius.

Subgenus STEPHANITIS (STEPHANITIS) Stål

TYPE SPECIES: *Acanthia pyri* Fabricius.

***Stephanitis agaica** Drake

Stephanitis agaica Drake 1960, p. 374 [New Guinea].

TYPE: Holotype ♂; Wisselmeren, Enarotadi, Netherlands New Guinea; Bishop Mus.

DISTRIBUTION: New Guinea (Northeast; Netherlands).

HOST PLANT: Unrecorded.

***Stephanitis ambigua** Horváth

Tingis pyrioides (not Scott): Matsumura 1905, p. 33.

Stephanitis ambigua Horváth 1912b, pp. 321, 328, fig. 2 [Japan].—Esaki and Takeya 1931, p. 54, figs. 1c, 2c; pl. 4, fig. 3; pl. 5, fig. 3; pl. 6, fig. 3.—Takeya 1932, p. 8 [Korea; *Lindera obtusiloba*]; 1951a, p. 9 [Taiwan]; 1953d, p. 168 [*Lindera glauca*].—Drake 1938b, p. 197 [China].

TYPE: Sex unknown; Japan; Hungarian Mus.

DISTRIBUTION: Japan; China; Korea; Taiwan.

HOST PLANTS: *Lindera glauca*; *Lindera obtusiloba*.

Stephanitis amboinae Drake and Poor

Stephanitis amboinae Drake and Poor 1941, p. 163 [Amboina].

TYPE: Holotype ♀; Amboina Island; Cal. Acad.

DISTRIBUTION: Moluccas (Amboina Island).

HOST PLANT: Unrecorded.

***Stephanitis assamana** Drake and Maa

Stephanitis assamana Drake and Maa 1954, p. 117 [India].

TYPE: Holotype ♀; Cha Che, Delai Valley, Mishmi Hills, Assam, India; British Mus.

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

Stephanitis assamana subsp. **eremnoa** Drake and Ruhoff

Stephanitis assamana subsp. *marginata* Drake and Maa 1954, p. 118 [India].

Stephanitis assamana subsp. *eremnoa* Drake and Ruhoff 1960c, p. 36.

TYPE: Holotype ♀; Cha Che, Delai Valley, Mishmi Hills, Assam, India; British Mus.

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

***Stephanitis aucta** Drake

Stephanitis aucta Drake 1942a, p. 20 [Brazil].

TYPE: Holotype ♀, macropterous; Chapoda, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Stephanitis blatchleyi** Drake

Stephanitis blatchleyi Drake 1925c, p. 37 [Fla.].

Leptobyrsa blatchleyi: Blatchley 1926, p. 470.

TYPE: Holotype ♂, macropterous; Dunedin, Florida, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Fla.).

HOST PLANT: Unrecorded.

NOTE: Wrongly transferred by Blatchley to genus *Leptobyrsa*.

***Stephanitis caucasica** Kiritshenko

Stephanitis caucasica Kiritshenko 1939, p. 10 (nom. nud.); 1951, p. 247, fig. 325 [Caucasus; Transcaucasus; *Rhododendron*].—Stichel 1960a, p. 304, fig. 107.

TYPE: Sex unknown; Transcaucasia, Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R. (Caucasus; Transcaucasus).

HOST PLANT: *Rhododendron* sp.

***Stephanitis chlorophana** (Fieber)

Tingis chlorophana Fieber 1861, p. 129 [Portugal].—Walker 1873a, p. 179.—Chicote 1880, p. 189 [Spain].

Stephanitis chlorophana: Horváth 1905b, p. 568; 1906a, p. 56; 1912b, p. 333.—de Seabra 1931, p. 421, figs. 492 (2–6), 494 [*Viburnum tinus*].—Gomez-Menor 1954, p. 381, fig. 4.—Stichel 1960a, p. 303, fig. 104.

TYPE: Portugal; sex and deposition of type unknown.

DISTRIBUTION: Portugal; Spain.

HOST PLANT: *Viburnum tinus*.

***Stephanitis colocasiae** Horváth

Stephanitis colocasiae Horváth 1912b, pp. 320, 326 [New Guinea; *Colocasia esculenta*].—Drake 1960, p. 372.

TYPE: Sex unknown; Friedrich-Wilhelmshafen, New Guinea; Hungarian Mus.

DISTRIBUTION: New Guinea (Northeast).

HOST PLANT: *Colocasia esculenta*.

Stephanitis depressa Blöte

Stephanitis depressa Blöte 1945, p. 83 [Sumatra].

TYPE: Sex unknown; Gunung Teleman, Sumatra; Leiden Zool. Inst.

DISTRIBUTION: Greater Sunda Islands (Sumatra).

HOST PLANT: Unrecorded.

***Stephanitis farameae** Drake and Hambleton

Stephanitis farameae Drake and Hambleton 1935, p. 151 [Brazil; *Faramea montevidensis*].—Monte 1939b, p. 78; 1941e, p. 132.

TYPE: Holotype ♂, macropterous; Parque do Estado, São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Faramea montevidensis*.

***Stephanitis fasciicarina** Takeya

Stephanitis fasciicarina Takeya 1931, p. 70, pl. 7, fig. 2; pl. 8, fig. 6 [Japan; *Machilus thunbergii*; *Cinnamomum camphora*]; 1951a, p. 10; 1953d, p. 168.—Drake and Poor 1937b, p. 403.

Stephanitis kyushuana Drake 1948b, p. 52.

TYPE: Holotype ♂; Akama, Kyushu, Japan; Kyushu Univ.

DISTRIBUTION: Japan.

HOST PLANTS: *Cinnamomum camphora*; *Machilus thunbergii*.

***Stephanitis gallarum** Horváth

Stephanitis gallarum Horváth 1906b, p. 33 [India; *Machilus gamblei*]; 1912b, p. 330.—Distant 1910a, p. 108.—Drake and Poor 1936b, p. 148.—Drake 1937a, p. 387; 1938b, p. 197 [China].—Singh 1953, p. 119.—Drake and Maa 1953, p. 100.

Stephanitis distinctissima Esaki and Takeya 1933, p. 1, figs. 1, 2 [Taiwan; *Machilus pseudo-longifolia*].—Takeya 1951a, p. 9 [*Machilus longifolia*].

TYPE: Sex unknown; Kurseong, Bengal, India; Hungarian Mus.

DISTRIBUTION: India; China; Taiwan.

HOST PLANTS: *Alnus nepalensis*; *Machilus gamblei*; *Machilus longifolia*; *Machilus pseudo-longifolia*.

***Stephanitis gressitti** Drake

Stephanitis gressitti Drake 1948b, p. 50 [China].

TYPE: Holotype ♀, macropterous; Szechwan, north of Chengtu, West China; Drake Coll. (USNM).

DISTRIBUTION: China.

HOST PLANT: Unrecorded.

***Stephanitis hikosana** Drake

Stephanitis hikosana Drake 1948b, p. 53 [Japan].—Takeya 1951a, p. 10 [*Rhododendron hymenanthes* var. *heptamerum*]; 1953d, p. 171.

TYPE: Holotype ♂; Hikosan (Buzen), Kyushu, Japan; Kyushu Univ.

DISTRIBUTION: Japan.

HOST PLANT: *Rhododendron hymenanthes* var. *heptamerum*.

***Stephanitis hydrangeae** Drake and Maa

Stephanitis hydrangeae Drake and Maa 1955, p. 8 [Taiwan; *Hydrangea integra*].

TYPE: Holotype ♂, macropterous; Arisan, Formosa; Drake Coll. (USNM).

DISTRIBUTION: Taiwan.

HOST PLANT: *Hydrangea integra*.

***Stephanitis laudata** Drake and Poor

Stephanitis laudata Drake and Poor (in Drake and Maa 1953, p. 98) [China; Hainan; Taiwan].

TYPE: Holotype ♂, macropterous; Ta Han, Hainan Island, China; Drake Coll. (USNM).

DISTRIBUTION: China (Hainan Island); Taiwan.

HOST PLANT: Unrecorded.

***Stephanitis ligyra** Drake

FIGURE 1a

Stephanitis ligyra Drake 1960, p. 372, fig. 23 [New Guinea].

TYPE: Holotype ♀; Okaitadi, Wisselmeren, Netherlands New Guinea; Bishop Mus.

DISTRIBUTION: New Guinea (Netherlands).

HOST PLANT: Unrecorded.

***Stephanitis luzonana** Drake

Stephanitis luzonana Drake 1948b, p. 50 [Luzon].

TYPE: Holotype ♂, macropterous; Mt. Makiling, Luzon, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Luzon).

HOST PLANT: Unrecorded.

***Stephanitis matsumurae** Horváth

Stephanitis matsumurae Horváth 1912b, pp. 322, 332 [Japan].

TYPE: Sex unknown; Sapporo, Japan; Hungarian Mus.

DISTRIBUTION: Japan.

HOST PLANT: Unrecorded.

Stephanitis mitrata (Stål)

Tingis mitrata Stål 1858, p. 64 [Brazil].—Walker 1873a, p. 181.—Lethierry and Severin 1896, p. 12.

Stephanitis mitrata: Stål 1873, p. 123.—Champion 1898b, p. 58, pl. 2, figs. 3, 3a.—Drake and Poor 1937d, p. 309.—Drake and Hambleton 1938a, p. 66 [*Merostachys*].—Monte 1941e, p. 133.

Calliphanes mitratus: Horváth 1906b, p. 34.

TYPE: Holotype ♀; Rio de Janeiro, Brazil; Stockholm Mus.

DISTRIBUTION: Brazil.

HOST PLANT: *Merostachys* sp.

***Stephanitis nashi** Esaki and Takeya

Tingis pyri (not Fabricius): Matsumura 1908, p. 147, fig.

Stephanitis ambigua (not Horváth): Matsumura 1917, p. 440, fig.; 1930, p. 158, pl. 14, fig. 11.

Stephanitis pyri (not Fabricius): Drake 1923a, p. 104.

Stephanitis nashi Esaki and Takeya 1931, p. 54, pl. 4, fig. 1; pl. 5, fig. 1; pl. 6, fig. 1; figs. 1a, 2a [Japan; Korea; *Pyrus*; *Prunus*; *Malus floribunda*; *Chaenomeles cathayensis*; *Cormus tschonoskii*; *Kerria japonica*; *Crataegus*; *Malus*].—Takeya 1932, p. 8; 1951a, p. 9 [*Crataegus cuneata*]; 1953d, p. 168.—Esaki 1932, p. 1635, fig.; 1954, p. 236, fig. 609.—Kato 1933, pl. 31, fig. 3.—Saito 1933, p. 6 [*Pyrus ussuriensis*].—Drake and Hsiung 1936, p. 288 [China].—Drake and Poor 1937b, p. 403.—Drake 1937b, p. 594; 1938b, p. 197.—Fukui 1938, pl. 50, fig. 35.—Shinji 1938, p. 316.—Maa 1957, pp. 128, 133.

TYPE: Holotype ♂; Fukuoka, Kyushu, Japan; Kyushu Univ.

DISTRIBUTION: China; Japan; Korea; Taiwan.

HOST PLANTS: *Chaenomeles cathayensis*; *Cormus tschonoskii*; *Crataegus cuneata*; *Crataegus* sp.; *Kerria japonica*; *Malus floribunda*; *Malus* sp.; *Prunus* sp.; *Pyrus ussuriensis*; *Pyrus* sp.

Stephanitis nashi var. **suigensis** Saitô

Stephanitis nashi var. *suigensis* Saitô 1933, p. 5 [Korea; *Potentilla freyniana*].—Takeya 1951a, p. 10.

TYPE: Korea; sex and deposition of type unknown.

DISTRIBUTION: Korea.

HOST PLANT: *Potentilla freyniana*.

***Stephanitis oberti** (Kolenati)

Tingis pyri (not Fabricius): Fallén 1807, p. 39 [Sweden; *Carduus lanceolatus*]; 1829, p. 149 [*Myrica gale*].—Sahlberg 1848, p. 136 [Finland].

Campylosteira (*Dictyonota*) *oberti* Kolenati 1856, p. 433 [Estonia].

Tingis oberti: Flor 1860, p. 369 [*Pinus sylvestris*].—Jakovlev 1875b, p. 262; 1880b, p. 102 (in part) [Caucasus]; 1902b, p. 276.—Hüeber 1893, p. 326 [Austria].—Lethierry and Severin 1896, p. 12.

Stephanitis oberti: Stål 1873, p. 123.—Reuter 1882b, p. 118 [*Myrtillus niger*; *Ledum palustre*].—Horváth 1906a, p. 56 [Siberia; Netherlands; Germany; *Vaccinium myrtillus*; *Vaccinium vitis-idaea*]; 1912b, pp. 322, 332 [*Rhododendron*].—Lindberg 1919, p. 42.—Sahlberg 1920, p. 83 [*Calluna vulgaris*; *Myrtillus uliginosus*].—Stichel 1926, p. 110; 1928a, p. 206; 1938a, p. 406 [Czechoslovakia; Albania; Norway; Denmark]; 1960a, p. 303 [Yugoslavia; *Vaccinium uliginosum*].—Scholte 1935, p. 60.—Gulde 1938, p. 280, fig.—Kiritshenko 1951, p. 248.—Cobben 1958a, p. 5, figs. 5–10.

TYPE: Dorpat, Livonia; sex and deposition of type unknown.

DISTRIBUTION: Netherlands; Germany; Austria; Czechoslovakia; Albania; Yugoslavia; Denmark; Norway; Sweden; Finland; U.S.S.R. (Estonia; Caucasus; Siberia).

HOST PLANTS: *Calluna vulgaris*; *Carduus lanceolatus*; *Ledum palustre*; *Myrica gale*; *Myrtillus niger*; *Myrtillus uliginosus*; *Pinus sylvestris*; *Rhododendron* sp.; *Vaccinium myrtillus*; *Vaccinium uliginosum*; *Vaccinium vitis-idaea*.

Stephanitis oberti var. **biseriata** Sahlberg

Stephanitis oberti var. *biseriata* Sahlberg 1920, p. 83 [Finland].—Stichel 1960a, p. 303.

TYPE: Sex unknown; Finland; Helsin. Mus.

DISTRIBUTION: Finland.

HOST PLANT: Unrecorded.

***Stephanitis olyrae** Drake and Hambleton

Stephanitis olyrae Drake and Hambleton 1935, p. 150, fig. 5 [Brazil; *Olyra micrantha*].—Monte 1939b, p. 78; 1941e, p. 133.

TYPE: Holotype ♂, macropterous; Ponte Nova, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Olyra micrantha*.

**Stephanitis parana* Drake and Hambleton

Stephanitis parana Drake and Hambleton 1944b, p. 128 [Brazil].

TYPE: Holotype ♂, macropterous; Para, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

**Stephanitis princeps* (Distant)

Mokanna princeps Distant 1910a, p. 112, fig. 55 [India].

Stephanitis princeps: Horváth 1912b, pp. 321, 329.

TYPE: Sex unknown; Trichinopoly, India; British Mus.

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

**Stephanitis propinqua* Horváth

Stephanitis propinqua Horváth 1912b, pp. 322, 331 [Japan].—Takeya 1932, p. 9, pl. 1, fig. 1 [Korea; *Rhododendron*].

TYPE: Sex unknown; Kagoshima, Japan; Hungarian Mus.

DISTRIBUTION: Japan; Korea.

HOST PLANT: *Rhododendron* sp.

**Stephanitis pyri* (Fabricius)

Acanthia pyri Fabricius 1775, p. 696 [*Pyrus*]; 1781, p. 338; 1787, p. 280; 1794, p. 78.—Rossi 1790, p. 225.—Walckenaer 1802, p. 338.

Cimex appendiceus Fourcroy 1785, p. 212.—Villers 1789, p. 488, pl. 3, fig. 19.

Cimex pyri: Gmelin 1790, p. 2127.

Tingis pyri: Fabricius 1803, p. 126.—Latrielle 1804, p. 254; 1829, p. 201.—Le Peletier and Serville 1828, p. 653.—Laporte 1833, p. 48.—Burmeister 1835, p. 259 [Germany; Portugal].—Spinola 1837, p. 166.—Herrich-Schaeffer 1838, p. 69, pl. 126, fig.; pl. 130, fig. d; 1850, p. 162.—Blanchard 1840, p. 112, pl. 2, fig. 7.—Westwood 1840a, p. 478 [England; pear].—Amyot and Serville 1843, p. 297 [France].—Guérin-Méneville 1844, p. 349, pl. 56, fig. 13.—Fieber 1844, p. 102, pl. 8, figs. 34–36 [Czechoslovakia; Austria; Hungary; Italy; Sweden]; 1861, p. 129.—Costa 1847a, p. 21; 1847c, p. 161.—Mayr 1858, p. 572.—Frey-Gessner 1865, p. 233 [Switzerland].—Garbiglietti 1869, p. 275.—Gredler 1870, p. 76.—Walker 1873a, p. 179.—Horváth 1874b, p. 432.—Ferrari 1874, p. 171; 1878, p. 66; 1885, p. 411.—Reiber and Puton 1876, p. 69.—Bolivar and Chicote 1879, p. 166 [Spain].—Puton 1879c, p. 105; 1881, p. 123 [Syria].—Jakovlev 1880b, p. 102 [Caucasus].—Dubois 1888, p. 120.—d'Antesantny 1890, p. 31.—Reuter 1891, p. 26 [Greece].—Hüeber 1893, p. 325 [*Sorbus aria*; *Vaccinium myrtillus*].—Champion 1898b, p. 58.—Reichensperger 1920, p. 61.—Gautier 1925, p. 321; 1927a, p. 12; 1927b, p. 26.

Tingis marginata Lamarck 1816, p. 504.

Tingis appendicea: Le Peletier and Serville 1828, p. 653.

Stephanitis pyri: Stål 1873, p. 123.—Horváth 1906a, pp. 54, 55 [Turkestan; Armenia; Turkey; *Pyrus malus*; *Castanea sativa*]; 1906d, p. 1; 1912b, pp. 320, 327 [*Prunus lusitanica*]; 1916, p. 9 [Albania].—Muzik 1907, p. 57.—Blanchard 1926, p. 362.—Stichel 1926, p. 110 [*Pyrus aria*]; 1938a, p. 406 [Belgium; Rumania]; 1960a, p. 301, fig. 98 [Sicily; Sardinia; Poland; *Sorbus torminalis*; *Pyrus aucuparia*; *Prunus mahaleb*; *Prunus armeniaca*; *Cotoneaster integerrima*; *Crataegus crus-galli*; *Robina pseudoacacia*; *Ulmus effusa*; *Ulmus campestris*; *Populus*; *Tilia*; *Ligustrum*; *Cormus*; *Ribes nigrum*; *Juglans regia*].—Esaki and Takeya 1931, p. 53, figs. 1b, 2b; pl. 4, fig. 2; pl. 5, fig. 2; pl. 6, fig. 2.—de Seabra 1931, p. 420, figs. 492(1), 493.—Silvestri 1934, p. 257, fig. 221.—Balachowsky and Mesnil 1935, p. 277, fig. 212.—Scholte 1935, p. 60 [Netherlands].—Vidal 1937, p. 197 [Morocco].—Lindberg 1948, p. 58 [Bulgaria; Yugoslavia; *Prunus cerasus*; *Amygdalus*; *Rosa*; Cyprus].—Mancini 1949b, p. 36; 1952, p. 12; 1953b, p. 186; 1953d, p. 16.—Novak and Wagner 1951, p. 70 [*Crataegus pyracantha*; *Cydonia vulgaris*; *Prunus marasca*; *Prunus persica*; *Prunus avium*].—Kiritshenko 1951, p. 247, fig. 327.—Poisson 1951, p. 1798, fig. 1591.—Gomez-Menor 1954, p. 371, figs. 1, 2 [*Crataegus*]; 1955a, p. 255, figs. 32, 33a-d; 1955b, p. 249 [*Malus communis*].—Hoberlandt 1955, p. 98 [Iraq; Israel; *Quercus ilex*; *Quercus coccifera*].—Carayon 1960, p. 111.—Drake and Ruhoff 1962c, p. 133.

Stephanitis piri [sic]: Börner 1935, p. 76.

Stephanitis oschanini Vasiliev 1935, p. 151.

Phyllontocheila schoutedeni (not Distant): Gomez-Menor 1956a, fig. 14 (fig. only).

Maecenas pyri: Drake and Ruhoff 1960a, p. 67.

TYPE: Holotype ♀, macropterous; locality unknown; Kiel Coll. (Copenhagen Mus.).

DISTRIBUTION: Portugal; Spain; France; Belgium; Netherlands; England; Germany; Austria; Switzerland; Czechoslovakia; Hungary; Italy; Sicily; Sardinia; Yugoslavia; Albania; Rumania; Bulgaria; Poland; Sweden; Greece; Cyprus; Turkey; Iran; Iraq; Syria; Israel; U.S.S.R. (Caucasus; Armenia; Turkestan); Morocco.

HOST PLANTS: *Amygdalus* sp.; *Castanea sativa*; *Chaenomeles japonica*; *Cormus* sp.; *Cotoneaster integerrima*; *Crataegus crus-galli*; *Crataegus pyracantha*; *Crataegus* sp.; *Cydonia vulgaris*; *Juglans regia*; *Malus communis*; *Ligustrum* sp.; *Populus* sp.; *Prunus armeniaca*; *Prunus avium*; *Prunus cerasus*; *Prunus lusitanica*; *Prunus mahaleb*; *Prunus marasca*; *Prunus persica*; *Pyrus aria*; *Pyrus aucuparia*; *Pyrus communis*; *Pyrus malus*; *Pyrus* sp.; *Quercus coccifera*; *Quercus ilex*; *Ribes nigrum*; *Rosa* sp.; *Sorbus aria*; *Sorbus torminalis*; *Robina pseudoacacia*; *Tilia* sp.; *Ulmus campestris*; *Ulmus effusa*; *Vaccinium myrtillus*.

NOTE: Predators and parasites [Silvestri; Gautier; Carayon]. Notes on hibernation [Gautier 1925, 1927a].

***Stephanitis pyri** var. *sareptana* Horváth

Stephanitis pyri var. *sareptana* Horváth 1912b, pp. 320, 327 [Russia].—
Stichel 1960a, p. 302.

TYPE: Sarepta, Russia; sex and deposition of type unknown.

DISTRIBUTION: U.S.S.R.

HOST PLANT: Unrecorded.

***Stephanitis pyrioides** (Scott)

Tingis pyrioides Scott 1874, pp. 291, 440 [Japan].—Uhler 1896, p. 265.

Stephanitis azaleae Horváth 1905b, p. 568 [Netherlands; azalea]; 1906a,
pp. 55, 56; 1912b, p. 333 [D.C.].—Stichel 1926, p. 110; 1928, p.
206.—Scholte 1935, p. 60.

Stephanitis pyrioides: Oshanin 1908, p. 425.—Dickerson and Weiss
1917, p. 101, pl. 9 [N.J.; Pa.; *Rhododendron hinodegeri*; *amoena*; *ledifolia*
alba; *benigeri*; *yodogawa*; *kaempheri*; *pontica*; *mollis*; *indica*; *shirogeri*;
hatsugeri; *shibori*; *amurasaki*; *schilippenbachii*].—Weiss 1918, p. 8,
figs. 7–9.—Barber and Weiss 1922, p. 10, fig. 4.—Parshley 1922a,
p. 236 [Conn.]; 1923b, p. 704, pl. 17, fig. 8.—McAtee 1923, p.
149.—Drake 1923a, p. 104; 1928b, p. 101 [N.Y.; *Kalmia latifolia*];
1961b, p. 112 [New South Wales].—Blatchley 1926, p. 468, pl. 4,
fig. 8.—Blanchard 1926, p. 361, fig. [Argentina].—Esaki and Takeya
1931, p. 53, figs. 1d, 2d; pl. 4, fig. 4; pl. 5, fig. 4; pl. 6, fig. 4.—Esaki
1932, p. 1635, fig.; 1954, p. 236, fig. 610.—Takeya 1932, p. 10
[Korea]; 1951a, p. 12 [Taiwan; *Pieris ovalifolia*]; 1953c, pp. 8–12;
1953d, p. 168.—White 1933, p. 631.—Kato 1933, pl. 31, fig. 2.—
Saito 1933, p. 6 [*Rhododendron mucronatum*; *yedoense poukhanense*].—
Shinji 1938, p. 316.—Froeschner 1944, p. 668 [Mo.].—Bailey 1950,
p. 144; 1951, p. 56 [Mass.; R.I.; *Rhododendron calendulaceum*]; 1959,
p. 65.—Gomez-Menor 1954, p. 377, fig. 3 [Morocco].—Maa 1957,
pp. 128, 133.—Cobben 1958a, p. 9, fig. 10.—Stichel 1960a, p. 302
[England].—Drake and Ruhoff 1926b, p. 250.

Stephanitis pyrioides [sic]: Barber 1922a, p. 16.

Stephanitis oberti (not Kolenati): Lindlinger 1927, p. 36 [Germany].

Stephanitis pyrioides [sic]: Drake 1937b, p. 594 [China].—Bosq 1937,
p. 131.

Stephanitis pyri (not Fabricius): Gomez-Menor 1956a, fig. 7 (fig. only).

TYPE: Sex unknown; Japan; British Mus.

DISTRIBUTION: Japan; China; Korea; Taiwan; Germany; Netherlands;
England; Argentina; Morocco; U.S. (N.Y.; Conn.; Mass.; R.I.; N.J.;
Pa.; D.C.; Fla.; Mo.); Australia (New South Wales).

HOST PLANTS: *Kalmia latifolia*; *Pieris ovalifolia*; *Rhododendron* species
(including azalea) especially: *amoena*; *amurasaki*; *benigeri*; *calendulaceum*;
hinodegeri; *hatsugeri*; *indica*; *kaempheri*; *ledifolia alba*; *mollis*; *mucronatum*;
obtusum amoenum; *pontica*; *shirogeri*; *shibori*; *schilippenbachii*; *yedoense pouk-*
hanense; *yodogawa*.

NOTE: Life history studies [Bailey; Dickerson and Weiss].

**Stephanitis queenslandensis* Hacker

Stephanitis queenslandensis Hacker 1927, p. 28, pl. 7, fig. 8 [Queensland; *Stephania hernandifolia*]; 1928, p. 183.

TYPE: Sex unknown; Queensland, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: *Stephania hernandifolia*.

**Stephanitis quercus* Bergroth

Stephanitis quercus Bergroth 1924, p. 83 [Luzon; oak].—Drake 1930e, p. 168.

Stephanitis quercus: Drake and Poor 1937a, p. 17.

TYPE: Sex unknown; Luzon, Philippine Islands; Helsin. Mus.

DISTRIBUTION: Philippine Islands (Luzon; Mindanao).

HOST PLANT: Oak.

**Stephanitis rhododendri* Horváth

Stephanitis rhododendri Horváth 1905b, p. 567 [Netherlands; *Rhododendron*]; 1906a, p. 55; 1912b, pp. 321, 329.—Distant 1910c, p. 395, fig. [England].—Theobald 1911, p. 206; 1913, p. 297, figs. 40–43.—Steyer 1915, p. 434 [Germany].—Van den Broeck and Schenk 1915, p. 170.—Green 1916, p. 207.—Marchal 1917, p. 93 [France].—Barber and Weiss 1922, p. 11, figs. 5–7.—Lounsbury 1923, p. 548 [Cape Province].—Wilson 1925, p. 52 [Switzerland].—Stichel 1928, p. 206; 1960a, p. 300, fig. 94 [Scotland; Denmark; Sweden; Finland].—Schmidt 1928, p. 205.—Scholte 1935, p. 60, fig. 13.—Balachowsky and Mesnil 1936, p. 1532, fig. 1225.—Proctor 1946, p. 74.—Van der Bruel 1947, p. 191, fig. 1 [Belgium].—Bailey 1951, p. 58 [N.H.; R.I.; *Kalmia angustifolia*]; 1959, p. 65.—Cobben 1958a, p. 5, figs. 5–8 [*Rhododendron Van der Hoop*; *Mme. Mason*; *Mme. Carvalho*; *parsons gloriosium*; *Mr. R.S. Holford*; *america*; *caratacus*; *Cunningham's White*; *Antoon van Welie*; *fastuosum*; *cynthia*; *everestianum*; *Peter Koster*; *hollandia*; *Dr. V. H. Rutgers*; *Mme. de Bruin*].—Southwood and Leston 1959, p. 146, pl. 18, fig. 5.

Leptobyrsa species nova? Wirtner 1904, p. 202.

Leptobyrsa explanata Heidemann 1908, p. 105, pl. 4, figs. e, f [Fla.; Mass.; D.C.; N.C.; Md.; Pa.; N.Y.; W. Va.; Ohio; *Kalmia latifolia*; *Rhododendron maximum*].—Felt 1910, p. 72, fig. 1.—Banks 1910, p. 56.—Torre-Bueno 1910, p. 31.—Smith 1910, p. 148 [N.J.].—Parshley 1914, p. 145 [Maine].—Crosby and Hadley 1915, pp. 409–415, pl. 23, figs. 1–6; pl. 22 [Conn.].—Osborn and Drake 1916a, p. 240, pl. 7.

Leptobyrsa rhododendri: Parshley 1917a, p. 15; 1917b, p. 55; 1923b, p. 703.—Dickerson 1917, pp. 105–112, pl. 8.—Weiss 1918, p. 5, figs. 4–6.—McAtee 1923, p. 149.—Downes 1925, p. 17, fig. 8 [B.C.]; 1927a, p. 10.—Blatchley 1926, p. 469, fig. 105 [Va.].—Drake 1928b, p. 102.—Ascot 1930, p. 238.—Johnson 1936, p. 342, figs. 2–4; pls. 13–15.

TYPE: Sex unknown; Boskoop, Netherlands; Hungarian Mus.

DISTRIBUTION: Netherlands; Belgium; France; Germany; Switzerland; Finland; Sweden; Denmark; Scotland; England; South Africa (Cape Province); Canada (Nfld.; B.C.); U.S. (Maine; N.H.; Mass.; Conn.; R.I.; N.Y.; N.J.; Pa.; Ohio; Md.; D.C.; Va.; W. Va.; N.C.; S. C.; Fla.; Oreg.; Wash.; Vt.); New Zealand.

HOST PLANTS: *Kalmia angustifolia*; *Kalmia latifolia*; *Pieris floribunda*; *Pieris japonica*; *Rhododendron* species, those reported: *america*; *Antoon van Welie*; *caractacus*; *Cunningham's White*; *cynthia*; *Dr. V.H. Rutgers*; *everestianum*; *fastuosum*; *hollandia*; *maximum*; *Mme. Mason*; *Mme. Carvalho*; *Mr. R.S. Holford*; *Mme. de Bruin*; *parsons gloriosum*; *Peter Koster*; *Van der Hoop*.

NOTE: Life history studies [Heidemann; Crosby and Hadley; Dickerson; Johnson; Wilson; Felt; Bruel; Balachowsky and Mesnil]. Found on 120 species of *Rhododendron* [Van den Broek and Schenk].

**Stephanitis steeleae* Drake and Maa

Stephanitis steeleae Drake and Maa 1954, p. 116 [India].

TYPE: Holotype ♂, macropterous; Cha Che, Delai Valley, Mishmi Hills, Assam, India; British Mus.

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

**Stephanitis subfasciata* Horváth

Stephanitis subfasciata Horváth 1912b, pp. 320, 325 [China; Taiwan].—

Esaki 1926, p. 163.—Drake and Poor 1937b, p. 404 [Java].—Drake

1948b, p. 56 [India]; 1956d, p. 115 [Burma; *Cocculus*; *Hernandia*;

Peleliu; Argaut].—Maa 1957, pp. 129, 132 [*Cocculus trilobus*].

Stephanitis (Menodora) subfasciata: Wu 1935, p. 449.

TYPE: Unknown.

DISTRIBUTION: China; Taiwan; Burma; India; Palau Islands (Peleliu; Argaut); Greater Sunda Islands (Java).

HOST PLANTS: *Cocculus trilobus*; *Cocculus* sp.; *Hernandia* sp.

**Stephanitis svensoni* Drake

Stephanitis svensoni Drake 1948b, p. 51 [Japan].—Takeya 1953d, p. 169, fig. 1a.

Stephanitis shirozui Takeya 1951b, p. 60, fig. 2 [*Illicium religiosum*].

TYPE: Holotype ♂, macropterous; Shimabara Pen., Japan; Drake Coll. (USNM).

DISTRIBUTION: Japan.

HOST PLANT: *Illicium religiosum*.

**Stephanitis tabidula* Horváth

Stephanitis tabidula Horváth 1912b, pp. 323, 333 [Japan].

TYPE: Sex unknown; Kanagawa, Japan; Hungarian Mus.

DISTRIBUTION: Japan.

HOST PLANT: Unrecorded.

***Stephanitis takeyai** Drake and Maa

PLATE 48

Tingis globulifera Matsumura 1905, p. 36, pl. 19, fig. 16 [Japan].

Stephanitis globulifera: Matsumura 1908, p. 148, fig.; 1930, p. 161, pl. 14, fig. 16; 1931, p. 1203, fig. 7.—Horváth 1912b, pp. 322, 330 [*Cinnamomum camphora*].—Drake 1923a, p. 104.—Kato 1933, pl. 31, fig. 4.—Takeya 1930b, p. 72; 1951a, p. 11 [*Lindera citriodora*; *Styrax japonica*; *Pieris ovalifolia*]; 1953d, p. 168, fig. 1b [*Lyonia neziki*; *Lindera obtusiloba*; *Lindera umbellata*; *Salix*; *Aperula citriodora*; *Pieris japonica*].—Drake and Poor 1937b, p. 403.—Bailey 1950, pp. 143–145 [Conn.]; 1951, p. 53; 1959, p. 65.—Warner 1956, p. 6 [N.J.].

Stephanitis takeyai Drake and Maa 1955, p. 10 [India].

TYPE: Unknown.

DISTRIBUTION: Japan; India; U.S. [Conn.; N.J.].

HOST PLANTS: *Andromeda* sp.; *Aperula citriodora*; *Cinnamomum camphora*; *Lindera sericea*; *Lindera citriodora*; *Lindera obtusiloba*; *Lindera umbellata*; *Lyonia neziki*; *Pieris japonica*; *Pieris ovalifolia*; *Salix* sp.; *Styrax japonica*.

***Stephanitis typica** (Distant)

PLATE 47

Cadamustus typicus Distant 1903a, p. 47 [Ceylon]; 1903b, p. 132, fig. 95 [*Hedychium*; *Musa*].

Stephanitis typicus: Distant 1910a, p. 108 [India; Luzon].—Drake 1926e, p. 335; 1933, p. 1016; 1937b, p. 594; 1938b, p. 197 [Hong Kong].—Nagaraj and Menon 1956, pp. 161–165.—Mathen 1960, pp. 8–24, figs. 1–6, pls. 1–2, tables 1–6 [*Artocarpus integrifolia*].—Shanta, Menon, and Pillai 1960, p. 58–62.

Stephanitis typica: Horváth 1912b, pp. 320, 325 [Java; *Musa paradisiaca sapientum*]; 1912c, p. 341; 1926, p. 329 [Sumatra].—Bergroth 1914a, p. 361 [Taiwan].—Fletcher 1920, p. 263.—Drake 1923a, p. 104; 1960, p. 373 [Korea; Papua].—Esaki 1926, p. 163.—Takeya 1931, p. 70 [*Alpinia nutans*]; 1951a, p. 8 [Japan; *Zingiber mioga*]; 1952, pp. 39–46, fig. 1 [Pakistan; Malaya; *Alpinia japonica*; *Alpinia speciosa*; *Zingiber kawangoii*].—Hoffman 1935, p. 643, pl. 47 [China; *Elettaria cardamomum*; coconut; camphor].—Takahashi 1936, p. 295.—Drake and Poor 1936a, p. 443 [Hainan]; 1937a, p. 16; 1937b, p. 404 [Mindanao; *Annona muricata*].—Shirôzu 1939, p. 205 [*Alpinia chinensis*].—Maa 1957, pp. 127, 133.

Stephanitis indiana Drake 1948b, p. 51.

TYPE: Sex unknown; Pundalu-oya, Ceylon; British Mus.

DISTRIBUTION: Ceylon; India; Pakistan; Hong Kong; China (Hainan Island); Japan; Korea; Taiwan; New Guinea (Papua); Greater Sunda Islands (Sumatra; Java); Federation of Malaya; Philippine Islands (Luzon; Mindanao; Leyte).

HOST PLANTS: *Alpinia chinensis*; *Alpinia nutans*; *Alpinia japonica*; *Alpinia speciosa*; *Annona muricata*; *Artocarpus integrifolia*; *Elettaria cardamomum*; *Hedychium* sp.;

Musa paradisziaca sapientum; *Musa* sp.; *Zingiber kawagooi*; *Zingiber mioga*; camphor; coconut.

NOTE: (1) Life history studies [Hoffman; Mathen]; (2) possible vector of wilt (root) disease of coconut palm [Nagaraj and Menon; Mathen; Shanta, Menon and Pillai]; (3) *indiana* here placed in synonymy. (New synonymy.)

***Stephanitis veridica** Drake

Stephanitis veridica Drake 1948b, p. 54 [Taiwan].

TYPE: Holotype ♂, macropterous; Tainansliu, Formosa; Drake Coll. (USNM).

DISTRIBUTION: Taiwan.

HOST PLANT: Unrecorded.

***Stephanitis yasumatsui** Takeya

Stephanitis yasumatsui Takeya 1951b, p. 58, fig. 1 [Japan].

TYPE: Holotype ♂; Sobo-san, Prov. Bungo, Japan; Kyushu Univ.

DISTRIBUTION: Japan.

HOST PLANT: Unrecorded.

***Stephanitis yunnana** Drake and Maa

Stephanitis yunnana Drake and Maa 1955, p. 9 [China].

TYPE: Holotype ♀, macropterous; Yunnan, China; Drake Coll. (USNM).

DISTRIBUTION: China.

HOST PLANT: Unrecorded.

Subgenus **STEPHANITIS (MENODORA)** Horváth

Stephanitis (Menodora) Horváth 1912b, pp. 319, 324.—Takeya 1951a, p. 7.—Drake and Maa 1953, p. 99 (catalog).—Drake and Ruhoff 1960a, p. 83.

TYPE SPECIES: *Stephanitis (Menodora) formosa* Horváth.

***Stephanitis (Menodora) charieis** Drake and Mohanasundaram

Stephanitis (Menodora) charieis Drake and Mohanasundaram 1961, p. 111, fig. 3 [India; *Artocarpus integrifolia*].

TYPE: Holotype ♂, macropterous; Coimbatore, India; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: *Artocarpus integrifolia*.

***Stephanitis (Menodora) formosa** Horváth

Stephanitis (Menodora) formosa Horváth 1912b, pp. 319, 324, fig. 1 [Taiwan].

Stephanitis formosa: Esaki 1926, p. 163.

TYPE: Sex unknown; Takao, Formosa; Hungarian Mus.

DISTRIBUTION: Taiwan.

HOST PLANT: Unrecorded.

***Stephanitis (Menodora) kardia** Drake and Ruhoff

Stephanitis (Menodora) kardia Drake and Ruhoff 1960c, p. 36, fig. 5 a, b [Singapore].

TYPE: Holotype ♂, macropterous; Singapore; Drake Coll. (USNM).

DISTRIBUTION: Singapore.

HOST PLANT: Unrecorded.

***Stephanitis (Menodora) sondaica** Horváth

Stephanitis (Menodora) sondaica Horváth 1912b, p. 338 [Java; *Musa sapientum*].—Takeya 1951a, p. 8 [Taiwan].

Stephanitis sondaica: Horváth 1912c, p. 341.

TYPE: Sex unknown; Muara Antjol near Batavia, Java; Hungarian Mus.

DISTRIBUTION: Greater Sunda Islands (Java); Taiwan.

HOST PLANT: *Musa paradisiaca sapientum*.

Subgenus STEPHANITIS (NORBA) Horváth

Stephanitis (Norba) Horváth 1912b, pp. 323, 334.—Takeya 1951a, p. 12.—Drake and Maa 1953, p. 100 (catalog).—Drake and Ruhoff 1960a, p. 83.

TYPE SPECIES: *Stephanitis (Norba) mendica* Horváth.

***Stephanitis (Norba) aperta** Horváth

Stephanitis (Norba) aperta Horváth 1912b, pp. 323, 335 [Japan].—Takeya 1931, p. 75, pl. 7, fig. 4; pl. 9, fig. 1; 1951a, p. 13 [Taiwan; *Cinnamomum camphora*; *Machilus thunbergii*].

Stephanitis aperta: Maa 1957, pp. 127, 132.

TYPE: Sex unknown; Sakuna, Japan; Hungarian Mus.

DISTRIBUTION: Japan; Taiwan; China.

HOST PLANTS: *Cinnamomum camphora*; *Machilus thunbergii*.

***Stephanitis (Norba) astralis** Drake and Poor

Stephanitis astralis Drake and Poor 1941, p. 164 [Amboina].

TYPE: Holotype ♂; Amboina Island; Cal. Acad.

DISTRIBUTION: Moluccas (Amboina Island).

HOST PLANT: Unrecorded.

***Stephanitis (Norba) chinensis** Drake

Stephanitis (Norba) chinensis Drake 1948b, pp. 46, 48, 55, figs. 3, 4 [China; tea].

TYPE: Holotype ♂, macropterous; Meitanhsieh, Kweichow Province, China; Drake Coll. (USNM).

DISTRIBUTION: China.

HOST PLANT: Tea.

***Stephanitis (Norba) esakii** Takeya

Stephanitis (Norba) esakii Takeya 1931, p. 72, pl. 8, figs. 7-10 [Taiwan; *Machilus thunbergii*].

Stephanitis (Norba) shintenana Drake 1948b, pp. 46, 48, 56.

Stephanitis esakii: Maa 1957, pp. 125, 132 [*Machilus*; *Tetradenia dolichocarpa*].

TYPE: Holotype ♂; Musha, Formosa; Kyushu Univ.

DISTRIBUTION: Taiwan.

HOST PLANTS: *Machilus thunbergii*; *Machilus* sp.; *Tetradenia dolichocarpa*.

***Stephanitis (Norba) exigua** Horváth

Stephanitis (Norba) exigua Horváth 1912b, pp. 323, 336 [Okinawa; Japan; Lycopodiaceae].—Takeya 1953d, p. 168 [*Machilus thunbergii*].

Stephanitis (Norba) vitrea Takeya 1931, p. 74, pl. 7, fig. 3; pl. 8, figs. 11, 12.

Stephanitis exigua: Drake 1937b, p. 594 [China].

TYPE: Unknown.

DISTRIBUTION: Ryukyu Islands (Okinawa); Japan; China.

HOST PLANTS: *Machilus thunbergii*; Lycopodiaceae.

***Stephanitis (Norba) laratana** Drake

Stephanitis (Norba) laratana Drake 1948b, pp. 46, 55 [Larat].

TYPE: Holotype ♂, macropterous; Larat; Drake Coll. (USNM).

DISTRIBUTION: Tanimbar Islands (Larat).

HOST PLANT: Unrecorded.

***Stephanitis (Norba) macaona** Drake

Stephanitis (Norba) macaona Drake 1948b, pp. 46, 47, 55 [China].

TYPE: Holotype ♂, macropterous; Macao, Kwangtung Province, China; Drake Coll. (USNM).

DISTRIBUTION: China.

HOST PLANT: Unrecorded.

***Stephanitis (Norba) mendica** Horváth

Stephanitis (Norba) mendica Horváth 1912b, pp. 323, 334 [Japan].—

Takeya 1931, p. 77, pl. 9, figs. 2-6 [*Cinnamomum pedunculatum*].

TYPE: Sex unknown; Japan; Hungarian Mus.

DISTRIBUTION: Japan.

HOST PLANT: *Cinnamomum pedunculatum*.

***Stephanitis (Norba) nitor** Drake and Poor (emendation)

Stephanitis nitoris Drake and Poor 1937a, p. 17 [Luzon; Negros]; 1937b, p. 403 [*Uvaria rufa*].

TYPE: Holotype ♂, macropterous; Mount Maquiling, Laguna Province, Luzon, Philippine Islands; USNM.

DISTRIBUTION: Philippine Islands (Luzon; Negros); Greater Sunda Islands (Borneo).

HOST PLANT: *Uvaria rufa*.

***Stephanitis (Norba) outouana** Drake and Maa

Stephanitis (Norba) outouana Drake and Maa 1953, p. 97 [China].

TYPE: Holotype ♂, macropterous; Outou, Kienyang Hsien, Fukien, China; Drake Coll. (USNM).

DISTRIBUTION: China.

HOST PLANT: Unrecorded.

***Stephanitis (Norba) pagana** Drake and Maa

Stephanitis (Norba) pagana Drake and Maa 1953, p. 98 [China].

TYPE: Holotype ♂, macropterous; Tsinleong Shan, E. Kwangtung, China; Drake Coll. (USNM).

DISTRIBUTION: China.

HOST PLANT: Unrecorded.

***Stephanitis (Norba) sordida** Distant

Stephanitis sordidus Distant 1909a, p. 114 [Burma]; 1910a, p. 109.

Stephanitis sordida: Horváth 1912b, p. 338.

Stephanitis (Stephanitis) sordida: Drake and Maa 1953, p. 101.

Stephanitis (Norba) sordida: Drake and Maa 1954, p. 116.

TYPE: Sex unknown; Tenasserim, Merqui, Burma; British Mus.

DISTRIBUTION: Burma.

HOST PLANT: Unrecorded.

***Stephanitis (Norba) suffusa** (Distant)

Cadamustus suffusus Distant 1903a, p. 47 [Ceylon]; 1903b, p. 133 [Burma].

Stephanitis suffusa: Horváth 1912b, p. 338.

Stephanitis (Norba) bankana Drake 1948b, pp. 46, 47, 54 [Bangka; China; *Persea gratissima*].

Stephanitis (Stephanitis) suffusa: Drake and Maa 1953, p. 101.

Stephanitis (Norba) suffusa: Drake and Maa 1954, p. 116.

TYPE: Sex unknown; Matale, Ceylon; British Mus.

DISTRIBUTION: Ceylon; Burma; China; Bangka Island.

HOST PLANT: *Persea gratissima*.

Subgenus STEPHANITIS (OMOPLAX) Horváth

Stephanitis (Omplax) Horváth 1912b, pp. 323, 336.—Takeya 1951a, p. 14.—Drake and Maa 1953, p. 100 (catalog).—Drake and Ruhoff 1960a, p. 83.

TYPE SPECIES: *Stephanitis (Omplax) desecta* Horváth.

***Stephanitis (Omplax) desecta** Horváth

Stephanitis (Omplax) desecta Horváth 1912b, pp. 323, 337, fig. 3 [Japan].—Drake 1956d, p. 116, fig. 8.

TYPE: Sex unknown; Ogasawara, Japan; Hungarian Mus.

DISTRIBUTION: Japan.

HOST PLANT: Unrecorded.

Genus STYMNONOTUS Reuter

Stymnnotus Reuter 1887, p. 103.—Drake and Ruhoff 1960a, p. 83.

TYPE SPECIES: *Stymnnotus apicalis* Reuter.

Stymnnotus apicalis Reuter

Stymnnotus apicalis Reuter 1887, p. 104 [Malagasy].—Lethierry and Severin 1896, p. 13.

TYPE: Holotype ♂; Nossibé, Madagascar; Frankfort Mus.

DISTRIBUTION: Malagasy Republic.

HOST PLANT: Unrecorded.

Genus TANYBYRSA Drake

Tanybyrsa Drake 1942a, p. 21.—Drake and Ruhoff 1960a, p. 83.

TYPE SPECIES: *Compseuta secundus* Hacker.

***Tanybyrsa ampliata** (Hacker)

Compseuta ampliatus Hacker 1927, p. 26, pl. 7, fig. 5 [Queensland].

Tanybyrsa ampliata: Drake 1942a, p. 21; 1961b, p. 112.

TYPE: Sex unknown; Southport, Queensland, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

Tanybyrsa cumberi Drake

Tanybyrsa cumberi Drake 1959, p. 67, fig. 1 [New Zealand].

TYPE: Holotype ♂; Arapae, Te Kuiti-Tawaro Range, Waitomo County, New Zealand; Entomology Division, Dept. Scientific and Industrial Research, Nelson, New Zealand.

DISTRIBUTION: New Zealand.

HOST PLANT: Unrecorded.

***Tanybyrsa secunda** (Hacker)

Compseuta secundus Hacker 1927, p. 27, pl. 7, fig. 6 [Queensland; New South Wales].

Tanybyrsa secunda: Drake 1942a, p. 21.

TYPE: Sex unknown; Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland; New South Wales).

HOST PLANT: Unrecorded.

Genus TANYTINGIS Drake

Tanytingis Drake 1939b, p. 205.—Drake and Ruhoff 1960a, p. 83.

TYPE SPECIES: *Tanytingis takahashii* Drake.

***Tanytingis assamana** Drake and Lutz

Tanytingis assamana Drake and Lutz 1953, p. 105 [India].

TYPE: Holotype ♂, macropterous; Shillong, Assam, India; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

***Tanytingis takahashii** Drake

Tanytingis takahashii Drake 1939b, p. 206 [Taiwan].—Takeya 1951a, p. 17.

TYPE: Holotype ♂; Buta, Taihoku-shu, Formosa; Kyushu Univ.

DISTRIBUTION: Taiwan.

HOST PLANT: Unrecorded.

Genus TELEONEMIA Costa

Teleonemia Costa 1864, p. 144.—Stål 1873, pp. 122, 131.—Uhler 1886, p. 22.—Lethierry and Severin 1896, p. 22.—Champion 1898a, p. 34 (key).—Banks 1910, p. 57.—Van Duzee 1916, p. 26; 1917b, p. 221.—Drake 1918b, pp. 323–332 (key).—Horváth 1925b, p. 219.—Blatchley 1926, p. 487 (key).—Monte 1939b, p. 79; 1941e, p. 133.—Hurd 1946, p. 447.—Drake and Ruhoff 1960a, p. 84.

Tingis (*Amaurosterphus*) Stål 1868, p. 92.

Teleonemia (*Amaurosterphus*): Stål 1873, p. 131.—Drake and Ruhoff 1960a, p. 35.

Tingis (*Americia*) Stål 1873, p. 131.—Drake and Ruhoff 1960a, p. 36.

TYPE SPECIES: *Teleonemia funerea* Costa.

***Teleonemia abdita** Drake

Teleonemia abdita Drake 1939d, p. 527 [Brazil].

TYPE: Holotype ♂; Rio de Janeiro, Brazil; Stockholm Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Teleonemia absimilis** Drake and Hambleton

Teleonemia absimilis Drake and Hambleton 1944b, p. 122 [Colombia].

TYPE: Holotype ♀, macropterous; Villa Vicenzio, Colombia; Drake Coll. (USNM).

DISTRIBUTION: Colombia.

HOST PLANT: Unrecorded.

***Teleonemia aemula** Monte

Teleonemia aemula Monte 1942b, p. 137, fig. 2 [Brazil].

TYPE: Holotype ♀; Nova Teutonia, Santa Catarina, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Teleonemia altilis** Drake and Hambleton

Teleonemia altilis Drake and Hambleton 1944b, p. 122 [Bolivia].

TYPE: Holotype ♀, macropterous; Las Juntas, Bolivia; Drake Coll. (USNM).

DISTRIBUTION: Bolivia.

HOST PLANT: Unrecorded.

Teleonemia amazonica Horváth

Teleonemia (Americia) amazonica Horváth 1925b, p. 220 [Brazil].

TYPE: Holotype ♀; Manáos, Brazil; Hungarian Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

Teleonemia angustata Monte

Teleonemia angustata Monte 1943d, p. 268 [Brazil].

TYPE: Holotype ♂; Belo Horizonte, Minas Gerais, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Teleonemia annae** (Kirkaldy)

Americia annae Kirkaldy 1905, p. 216 [Peru].

Teleonemia annae: Drake and Hambleton 1938b, p. 52 [Brazil].

TYPE: Holotype ♀, macropterous; Marcapata, Peru; Drake Coll. (USNM).

DISTRIBUTION: Peru; Brazil.

HOST PLANT: Unrecorded.

***Teleonemia argentinensis** Drake and Poor

Teleonemia argentinensis Drake and Poor 1942, p. 300 [Argentina].

TYPE: Holotype ♂; Estacion Experimental de Loreto, Misiones, Argentina; Argentina Mus.

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

***Teleonemia aterrima** Stål

Teleonemia aterrima Stål 1873, p. 131 [Colombia].—Champion 1898b, p. 62, pl. 3, fig. 3 [Brazil].—Drake 1922c, p. 356 [Peru]; 1930b, p. 25.—Drake and Poor 1937d, p. 303, pl. 36, fig. 15.—Drake and Hambleton 1938b, p. 52.—Blöte 1945, p. 89.—Silva 1956, p. 51, fig. 19.

TYPE: Holotype ♂; Bogota, Nova Granada; Stockholm Mus.

DISTRIBUTION: Colombia; Brazil; Peru.

HOST PLANT: Unrecorded.

***Teleonemia atrata** Champion

Teleonemia atrata Champion 1898a, p. 38, pl. 3, fig. 7 [Panama].—Osborn and Drake 1915b, p. 536 [Guatemala].—Hurd 1946, p. 448 [Brazil].

TYPE: Holotype ♀; Bugaba, Panama; British Mus.

DISTRIBUTION: Panama; Guatemala; Brazil.

HOST PLANT: Unrecorded.

Teleonemia atriflava Monte

Teleonemia atriflava Monte 1943b, p. 204 [Argentina].

TYPE: Holotype ♀; El Dorado, Misiones, Argentina; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

***Teleonemia bahiana** Drake

Teleonemia bahiana Drake 1942a, p. 1 [Brazil]; 1947a, p. 1.—Silva 1956, p. 51.

TYPE: Holotype ♀, macropterous; Bahia, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Teleonemia barberi** Drake

Teleonemia barberi Drake 1918b, pp. 325, 328 [Ariz.; Tex.; *Chilopsis*].

TYPE: Holotype ♀, macropterous; Huachuca Mountains, Arizona, U.S.; USNM.

DISTRIBUTION: U.S. (Ariz.; Tex.).

HOST PLANT: *Chilopsis* sp.

***Teleonemia belfragii** Stål

Teleonemia belfragii Stål 1873, p. 132 [Tex.].—Champion 1898b, p. 62, pl. 3, fig. 8.—Van Duzee 1909, p. 173 [Fla.].—Drake 1926b, p. 376.—Hurd 1946, p. 448 [Miss.; Ala.].

Teleonemia belfragei [sic]: Lethierry and Severin 1896, p. 22.—Drake 1918b, p. 331 [*Callicarpa americana*].—Blatchley 1926, p. 490.

Teleonemia belfragei [sic]: Barber 1914, p. 507.

TYPE: Holotype ♀; Texas, U.S.; Stockholm Mus.

DISTRIBUTION: U.S. (Tex.; Miss.; Ala.; Fla.).

HOST PLANT: *Callicarpa americana*.

Teleonemia bierigi Monte

Teleonemia bierigi Monte 1943d, p. 269 [Costa Rica].

TYPE: Holotype ♂; La Perla, Costa Rica; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Costa Rica.

HOST PLANT: Unrecorded.

***Teleonemia bifasciata** Champion

Teleonemia bifasciata Champion 1898a, p. 38, pl. 3, figs. 8, 8a [Guatemala; Panama].—Drake and Bruner 1924a, p. 145 [Grenada].—Drake and Hambleton 1940, p. 534 [Brazil].—Hurd 1946, p. 448 [*Lantana*].

TYPE: Sex unknown; Bugaba, Panama; British Mus.

DISTRIBUTION: Brazil; Panama; Guatemala; Windward Islands (Grenada).

HOST PLANT: *Lantana* sp.

***Teleonemia boliviana** Drake

Teleonemia boliviana Drake 1939d, p. 528 [Bolivia; Peru].

TYPE: Holotype ♂; San Antonio, Bolivia; Stockholm Mus.

DISTRIBUTION: Bolivia; Peru.

HOST PLANT: Unrecorded.

Teleonemia bondari Monte

Teleonemia bondari Monte 1943d, p. 270 [Brazil].

TYPE: Holotype ♂; Belo Horizonte, Minas Gerais, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Teleonemia bosqi** Monte

Teleonemia bosqi Monte 1943b, p. 202, fig. [Argentina].

TYPE: Holotype ♂; El Dorado, Misiones, Argentina; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

***Teleonemia brevipennis** Champion

Teleonemia brevipennis Champion 1898b, p. 63, pl. 3, fig. 9 [Brazil].—Drake 1922c, p. 357 [Peru]; 1929, p. 35; 1930a, p. 1.—Drake and Hambleton 1934, p. 438 [*Cassia*]; 1938a, p. 45 [*Vernonia polyanthes*].—Costa Lima 1936, p. 130.—Monte 1938d, p. 390 [Argentina]; 1939b, p. 79 [Venezuela]; 1940c, p. 191; 1940d, p. 101.—Drake and Poor 1939b, p. 96 [*Buddleia*].—Silva 1956, p. 51, fig. 20 [*Ipomoea fistulosa*].

Teleonemia brevicornis [sic]: Drake 1935, p. 10 [Paraguay].

TYPE: Holotype ♀; Amazons, Brazil; British Mus.

DISTRIBUTION: Brazil; Argentina; Peru; Paraguay; Venezuela.

HOST PLANTS: *Buddleia* sp.; *Cassia* sp.; *Ipomoea fistulosa*; *Vernonia polyanthes*.

***Teleonemia carmelana** (Berg)

Leptostyla carmelana Berg 1892, p. 99 [Uruguay].

Cantacader chilensis Reed 1900, p. 180 [Chile].

Teleonemia (Cantacader) chiliensis [sic]: Drake 1922b, p. 50.

Teleonemia chilensis: Drake 1922c, p. 358 [Brazil; Argentina]; 1935, p. 10 [Peru; Paraguay]; 1936b, p. 699.

Teleonemia jensoni Bergroth 1922, p. 150.

Teleonemia carmelana: Drake 1935, p. 11; 1939c, p. 332 [Bolivia].—Drake and Poor 1938b, p. 107.—Monte 1938d, p. 390; 1941e, p. 135 [*Lantana*]; 1947b, p. 432 [*Lippia juncea*; *Rhaphithamnus spinosus*].

TYPE: Sex unknown; Uruguay; La Plata Mus.

DISTRIBUTION: Uruguay; Paraguay; Peru; Argentina; Chile; Brazil; Bolivia.

HOST PLANTS: *Lantana* sp.; *Lippia juncea*; *Rhaphithamnus spinosus*.

**Teleonemia chacoana* Drake

Teleonemia chacoana Drake 1942a, p. 1 [Paraguay].

TYPE: Holotype ♀, macropterous; Chaco, Paraguay; Drake Coll. (USNM).

DISTRIBUTION: Paraguay.

HOST PLANT: Unrecorded.

Teleonemia chapadiana Drake

Teleonemia chapadiana Drake 1922c, p. 356 [Brazil].

TYPE: Holotype ♀; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

**Teleonemia consors* Drake

Teleonemia consors Drake 1918b, pp. 324, 327 [Ariz.].

TYPE: Holotype ♀, macropterous; Bonita, Post Creek Can., Arizona, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Ariz.).

HOST PLANT: Unrecorded.

Teleonemia crassispinosa Monte

Teleonemia crassispinosa Monte 1946b, p. 285 [Brazil].—Silva 1956, p. 54.

TYPE: Holotype ♂; Agua Preta, Baía, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

**Teleonemia cylindricornis* Champion

Teleonemia cylindricornis Champion 1898a, p. 41, pl. 3, figs. 14, 14a [Guatemala; British Honduras].—Van Duzee 1907, p. 22 [Jamaica].—Drake 1925c, p. 38 [Miss.; Ill.].—Blatchley 1926, p. 488.—Froeschner 1944, p. 669.

TYPE: Sex unknown; San Geronimo, Vera Paz, Guatemala; British Mus.

DISTRIBUTION: Jamaica; British Honduras; Guatemala; Mexico; U.S. (Miss.; Ill.).

HOST PLANT: Unrecorded.

***Teleonemia dulcis** Drake

Teleonemia dulcis Drake 1939d, p. 525 [Brazil].

TYPE: Holotype ♀, macropterous; Belém, Pará, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Teleonemia elata** Drake

Teleonemia chilensis var. *elata* Drake 1935, p. 10 [Brazil; Paraguay].—
Drake and Poor 1938b, p. 107 [Chile; Peru].—Monte 1939b, p. 79
[*Lantana*].

Teleonemia elata: Monte 1942b, p. 138.

TYPE: Holotype ♂; Rio Grande do Sul, Brazil; Vienna Mus.

DISTRIBUTION: Brazil; Paraguay; Chile; Peru.

HOST PLANT: *Lantana* sp.

Teleonemia elevata (Fabricius)

Aradus elevatus Fabricius 1803, p. 120.

Tingis (*Tropidocheila*) *elevata*: Stål 1868, p. 91.

Tingis elevata: Walker 1873a, p. 181 [South America].

Monanthia elevata: Walker 1873a, p. 191.

Teleonemia elevata: Stål 1873, p. 132.

TYPE: Lectotype ♀, macropterous; "Americae meridionalis"; Copenhagen Mus.

DISTRIBUTION: Uncertain, possibly South America.

HOST PLANT: Unrecorded.

***Teleonemia forticornis** Champion

Teleonemia forticornis Champion 1898a, p. 36, pl. 3, fig. 5 [Panama].—

Drake and Hambleton 1938b, p. 52 [Brazil; Peru; Argentina].—

Drake and Poor 1939b, p. 95.—Monte 1939b, p. 79 [*Ipomoea batatas*].

TYPE: Holotype ♂; Bugaba, Panama; British Mus.

DISTRIBUTION: Panama; Brazil; Peru; Argentina.

HOST PLANT: *Ipomoea batatas*.

***Teleonemia funerea** Costa

Teleonemia funerea Costa 1864, p. 145, pl. 2, fig. 5.—Stål 1873, p. 132.—

Drake and Hambleton 1938b, p. 52 [Brazil].

Monanthia funerea: Walker 1873a, p. 197.

TYPE: Unknown.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

NOTE: Type specimen apparently lost [Drake and Hambleton].

Teleonemia granulosa Monte

Teleonemia granulosa Monte 1942b, p. 139 [Argentina].

TYPE: Holotype ♂; San Javier, Misiones, Argentina; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

***Teleonemia guyanensis** Drake and Carvalho

Teleonemia guyanensis Drake and Carvalho 1944, p. 41 [British Guiana].

TYPE: Holotype ♀, macropterous; Mallali, British Guiana; Drake Coll. (USNM).

DISTRIBUTION: British Guiana.

HOST PLANT: Unrecorded.

***Teleonemia hasemani** Drake

Teleonemia hasemani Drake 1922c, p. 357 [Brazil].

TYPE: Holotype ♀; São Antonio de Guaporé, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Teleonemia huachucae** Drake

Teleonemia huachucae Drake 1941b, p. 140 [Ariz.].

TYPE: Holotype ♂; Huachuca Mountains, Arizona, U.S.; Cal. Acad.

DISTRIBUTION: U.S. (Ariz.).

HOST PLANT: *Anisacanthus thurberi*.

***Teleonemia inops** Drake and Hambleton

Teleonemia inops Drake and Hambleton 1944b, p. 122 [Honduras].

TYPE: Holotype ♂, macropterous; La Ceiba, Honduras; Drake Coll. (USNM).

DISTRIBUTION: Honduras.

HOST PLANT: Unrecorded.

Teleonemia inornata Monte

Teleonemia inornata Monte 1941a, p. 377 [Bolivia].

TYPE: Holotype ♂; Caranavi, Coroico, Nor Yungas, Bolivia; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Bolivia.

HOST PLANT: Unrecorded.

Teleonemia jamaicans Hurd (nom. nud.)

Teleonemia jamaicans Hurd 1946, p. 448.

***Teleonemia jubata** Drake and Hambleton

Teleonemia jubata Drake and Hambleton 1939, p. 153 [Brazil].

TYPE: Holotype ♀, macropterous; Belo Horizonte, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Teleonemia jucunda** Drake

Teleonemia jucunda Drake 1939d, p. 526 [Brazil; French Guiana; British Guiana]; 1947a, p. 1.—Silva 1956, p. 54.

TYPE: Holotype ♂, macropterous; Bahia, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil; French Guiana; British Guiana.

HOST PLANT: Unrecorded.

***Teleonemia leitei** Drake and Hambleton

Teleonemia leitei Drake and Hambleton 1939, p. 153 [Brazil; *Pithecoctenium echinatum*].

TYPE: Holotype ♂, macropterous; São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Pithecoctenium echinatum*.

***Teleonemia limbata** (Stål)

Tingis (Americia) limbata Stål 1873, p. 131 [Brazil; Colombia].

Lasiacantha (Americia) limbata: Lethierry and Severin 1896, p. 19.

Teleonemia limbata: Champion 1898b, p. 62, pl. 3, fig. 10.—Drake 1922c, p. 356; 1930a, p. 1; 1935, p. 10 [Paraguay]; 1936b, p. 699 [Argentina].—Drake and Poor 1937d, p. 302.—Drake and Hambleton 1938b, p. 52.—Monte 1939b, p. 79 [*Lantana camara*]; 1940c, p. 191.

TYPE: Unknown.

DISTRIBUTION: Brazil; Paraguay; Argentina; Colombia; Venezuela.

HOST PLANT: *Lantana camara*.

Teleonemia longicornis Champion

Teleonemia longicornis Champion 1898b, p. 62, pl. 3, fig. 7 [Brazil].—Drake 1930, p. 1.

TYPE: Holotype ♂; Amazons; Oxford Mus.

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Teleonemia luctuosa** (Stål)

Lacometopus luctuosus Stål 1858, p. 65 [Brazil].

Tingis (Amaurosterphus) luctuosus: Stål 1868, p. 92.

Monanthia luctuosa: Walker 1873a, p. 193.

Teleonemia luctuosa: Stål 1873, p. 132.—Champion 1898b, p. 62, pl. 3, fig. 5.—Drake 1935, p. 9 [Paraguay].—Drake and Poor 1937d, p. 303.—Drake and Hambleton 1938b, p. 52.

TYPE: Holotype ♂; Rio de Janeiro, Brazil; Stockholm Mus.

DISTRIBUTION: Brazil; Paraguay.

HOST PLANT: Unrecorded.

Teleonemia lustrabilis Drake

Teleonemia lustrabilis Drake 1953c, p. 151 [Dominican Republic].

TYPE: Holotype ♀; Constanza, Dominican Republic; MCZ.

DISTRIBUTION: Dominican Republic.

HOST PLANT: Unrecorded.

***Teleonemia lutzi** Drake

Teleonemia lutzi Drake 1941b, p. 139 [Paraguay].

TYPE: Holotype ♂, macropterous; Horqueta, Paraguay; Drake Coll. (USNM).

DISTRIBUTION: Paraguay; Brazil.

HOST PLANT: Unrecorded.

***Teleonemia mera** Drake and Hambleton

Teleonemia mera Drake and Hambleton 1942b, p. 76 [Brazil].

TYPE: Holotype ♂, macropterous; Santarem, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Teleonemia molinae** Drake

Teleonemia molinae Drake 1940b, p. 243 [Paraguay].

TYPE: Holotype ♂, macropterous; Horqueta, Paraguay; Drake Coll. (USNM).

DISTRIBUTION: Paraguay.

HOST PLANT: Unrecorded.

***Teleonemia monile** Van Duzee

Teleonemia monile Van Duzee 1918, p. 279 [Calif.].

TYPE: Holotype ♂; Lundy, Mono County, California, U.S.; Cal. Acad.

DISTRIBUTION: U.S. (Calif.).

HOST PLANT: Unrecorded.

***Teleonemia montivaga** Drake

Teleonemia montivaga Drake 1920, p. 52 [Calif.].—Hurd 1946, p. 448 [Penstemon].

TYPE: Holotype ♀, macropterous; Mount Diablo, California, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Calif.).

HOST PLANT: *Penstemon* sp.

***Teleonemia morio** (Stål)

Tropidocheila morio Stål 1855b, p. 187 [Brazil].

Lacometopus morio: Stål 1858, p. 65.

Tingis (Amaurosternus) morio: Stål 1868, p. 92.

Monanthia morio: Walker 1873a, p. 193.

Teleonemia (Amaurosternus) morio: Stål 1873, p. 131.—Horváth 1925b, p. 219.

Teleonemia morio: Champion 1898b, p. 62, pl. 3, fig. 2.—Drake 1922c, p. 356; 1930b, p. 25.—Drake and Hambleton 1934, p. 438 [*Annona squamosa*].—Costa Lima 1936, p. 130.—Drake and Poor 1937d, p. 302 [Paraguay].—Bondar 1936, p. 51, figs. a, b [*Annona cherimolia*].—Silva 1956, p. 56, fig. 22.

Teleonemia moria [sic]: Monte 1938b, p. 131 [*Annona reticulata*].

TYPE: Sex unknown; Brazil; Stockholm Mus.

DISTRIBUTION: Brazil; Paraguay.

HOST PLANTS: *Annona cherimolia*; *Annona reticulata*; *Annona squamosa*.

NOTE: Bondar states this species attacks exclusively the new bark of branches and twigs.

Teleonemia multimaculata Monte

Teleonemia multimaculata Monte 1940e, p. 298 [Brazil].

TYPE: Holotype ♀; Fazenda do Bosque, Cordeiro, Limeira, São Paulo, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Teleonemia nigrina** Champion

Teleonemia nigrina Champion 1898a, p. 41, pl. 3, figs. 13, 13 a, b [Tex.; Mexico; Guatemala].—Uhler 1904, p. 362 [N. Mex.].—Barber 1906, p. 281; 1922a, p. 17; 1922b, p. 23.—Van Duzee 1914, p. 11 [Calif.; *Rhus laurina*]; 1917a, p. 261.—Drake 1918b, pp. 324, 325 [Ariz.; Kans.; Utah; Mo.; Ark.; Ga.; N.C.; S.C.; *Verbena*; *Sphaeralcea angustifolia*; *Adenostegia pilosa*; *Adenostegia filifolia*; *Helenium tenuifolium*; sugar beets]; 1938a, p. 70.—Blatchley 1926, p. 488, fig. 115.—Hixson 1942, p. 605, fig. 1 [snapdragon].—Froeschner 1944, p. 669 [*Plantago aristata*].—Hurd 1946, p. 448 [*Eriogonum*].

Teleonemia elongata Uhler 1886, p. 22 (nom. nud.).—Smith 1910, p. 149.—Van Duzee 1917b, p. 222.

TYPE: Sex unknown; Duenas, Guatemala; British Mus.

DISTRIBUTION: Mexico; Guatemala; U.S. (Calif.; Ariz.; N. Mex.; Tex.; Okla.; Utah; Kans.; Iowa; Mo.; Ark.; Ga.; S.C.; N.C.; Va.; N.J.).

HOST PLANTS: *Adenostegia filifolia*; *Adenostegia pilosa*; *Eriogonum* sp.; *Helenium tenuifolium*; *Plantago aristata*; *Rhus laurina*; *Sphaeralcea angustifolia*; *Verbena* sp.; sugar beets; snapdragon.

***Teleonemia notata** Champion

Teleonemia notata Champion 1898a, p. 40, pl. 3, figs. 11, 11 a, b [Mexico; Guatemala; Panama].—Perkins and Swezey 1924, p. 52 [*Lantana*].—Monte 1942a, p. 97 [Cuba].—Bruner, Scaramuzza and Otero 1945, p. 69 [*Duranta repens*].—Hurd 1946, p. 448 [*Adenostegia filifolia*; *Adenostegia pilosa*].

TYPE: Sex unknown; El Tumbador, Guatemala; British Mus.

DISTRIBUTION: Guatemala; Mexico; Panama; Cuba.

HOST PLANTS: *Adenostegia filifolia*; *Adenostegia pilosa*; *Duranta repens*; *Lantana* sp.

***Teleonemia novicia** Drake

Teleonemia novicia Drake 1920, p. 53 [Calif.].—Hurd 1946, p. 448 [Ariz.].

TYPE: Holotype ♀, macropterous; Oriocle, California, U.S.; Drake Coll. (USNM).

DISTRIBUTION: U.S. (Calif.; Ariz.).

HOST PLANT: Unrecorded.

Teleonemia ochracea Champion

Teleonemia ochracea Champion 1898a, p. 36, pl. 3, fig. 3 [Panama].

TYPE: Holotype ♂; Volcan de Chiriqui, Panama; British Mus.

DISTRIBUTION: Panama.

HOST PLANT: Unrecorded.

***Teleonemia paraguayana** Drake

Teleonemia paraguayana Drake 1942a, p. 2 [Paraguay].

TYPE: Holotype ♀, macropterous; Horqueta, Paraguay; Drake Coll. (USNM).

DISTRIBUTION: Paraguay.

HOST PLANT: Unrecorded.

***Teleonemia patagonica** Drake

Teleonemia patagonica Drake 1948j, p. 429 [Argentina].

TYPE: Holotype ♀, macropterous; Rio Santa, Patagonia, Argentina; Drake Coll. (USNM).

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

***Teleonemia picta** Champion

Teleonemia picta Champion 1898a, p. 42, pl. 3, figs. 16, 16a [Panama].

TYPE: Sex unknown; Caldera, Panama; British Mus.

DISTRIBUTION: Panama.

HOST PLANT: Unrecorded.

***Teleonemia pilicornis** Champion

Teleonemia pilicornis Champion 1898a, p. 37, pl. 3, fig. 6 [Guatemala].

TYPE: Holotype ♂; Zapote, Guatemala; British Mus.

DISTRIBUTION: Guatemala.

HOST PLANT: Unrecorded.

***Teleonemia proluxa** (Stål)

Laccometopus proluxus Stål 1858, p. 65 [Brazil].

Monanthia (Tropidochila) sacchari (not Fabricius): Stål 1862, p. 325.

Tingis (Amaurosternus) proluxa: Stål 1868, p. 92.

Monanthia proluxa: Walker 1873a, p. 193.

Teleonemia prolixa: Stål 1873, p. 132.—Berg 1884, p. 103 [Argentina].—Champion 1898a, p. 39, pl. 3, figs. 9a, b, 10 [Mexico; Guatemala; Panama]; 1898b, p. 62, pl. 3, fig. 6.—Van Duzee 1907, p. 22 [Jamaica; British Guiana].—Pennington 1921, p. 20.—Drake and Bruner 1924a, p. 145 [Trinidad].—Drake 1929, p. 35 [Surinam; Ecuador]; 1930a, p. 1; 1931b, p. 510 [Peru]; 1932, p. 100 [Barro Colorado]; 1935, p. 9 [Paraguay]; 1936b, p. 699.—Drake and Hambleton 1934, p. 438; 1945, p. 357; 1946b, p. 122.—Drake and Poor 1937d, p. 304 [Colombia]; 1938b, p. 105 [*Cinchona*].—Monte 1938d, p. 390; 1939b, p. 80 [*Lantana camara*]; 1940c, p. 191; 1940d, p. 101 [Venezuela].—Ramos 1946, p. 25 [Mona].—Silva 1956, p. 58, fig. 23.—Gibson and Carrillo 1959, p. 19.

Teleonemia prolixa [sic]: Gowdy 1926, p. 35.

TYPE: Holotype ♂; Rio de Janeiro, Brazil; Stockholm Mus.

DISTRIBUTION: Venezuela; Surinam; British Guiana; Brazil; Paraguay; Argentina; Bolivia; Peru; Ecuador; Colombia; Panama; Canal Zone (Barro Colorado); Guatemala; Mexico; Trinidad; Jamaica; Mona Island.

HOST PLANTS: *Acacia riparia*; *Cinchona* sp.; *Lantana camara*.

**Teleonemia prunellae* Drake and Hambleton

Teleonemia prunellae Drake and Hambleton 1946b, p. 122 [Guatemala; *Prunella vulgaris*].

TYPE: Holotype ♂, macropterous; Guatemala City, Guatemala; Drake Coll. (USNM).

DISTRIBUTION: Guatemala.

HOST PLANT: *Prunella vulgaris*.

**Teleonemia quecha* Monte

Teleonemia quecha Monte 1943a, p. 106, fig. 2 [Peru].—Drake and Hambleton 1944b, p. 121 [Colombia]; 1945, p. 357.

TYPE: Holotype ♀; Peru; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Peru; Colombia; Brazil.

HOST PLANT: Unrecorded.

**Teleonemia rugosa* Champion

Teleonemia rugosa Champion 1898a, p. 37, pl. 3, fig. 4 [Guatemala; Panama].—Drake 1928e, p. 2 [Honduras].

TYPE: Sex unknown; Panzos, Vera Paz, Guatemala; British Mus.

DISTRIBUTION: Guatemala; Honduras; Panama; Bolivia.

HOST PLANT: Unrecorded.

**Teleonemia ruthae* Monte

Teleonemia ruthae Monte 1942b, p. 136, fig. 1 [Brazil].

TYPE: Holotype ♂; Guarujá, Santos, São Paulo, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

**Teleonemia sacchari* (Fabricius)

Acanthia sacchari Fabricius 1794, p. 77.

Tingis sacchari: Fabricius 1803, p. 126.—Guérin-Méneville 1857, p. 409 [Cuba; sugar].

Monanthia sacchari: Herrich-Schaeffer 1840, p. 85, pl. 173, fig. 533 [Brazil; Mexico].—Walker 1873a, p. 191.

Monanthia (Tropidocheila) sacchari: Fieber 1844, p. 76, pl. 6, figs. 22–25 [Martinique].—Herrich-Schaeffer 1850, p. 152.—Stål 1858, p. 62.

Tingis (Tropidocheila) sacchari: Stål 1868, p. 92.

Teleonemia sacchari: Stål 1873, p. 132 [St. Bartholemy].—Distant 1888, p. lxxxiii.—Uhler 1894a, p. 202 [Grenada]; 1894b, p. 278.—Champion 1898b, p. 62 [St. Vincent].—Van Duzee 1907, p. 22 [Jamaica].—Barber 1914, p. 507 [Fla.]; 1939, p. 371 [Antigua; St. Croix; St. Thomas].—Drake 1918b, p. 330; 1926a, p. 86 [*Lantana camara*]; 1931b, p. 510; 1932, p. 100 [Panama].—Wolcott 1923, p. 247 [Puerto Rico; *Verbesina*].—Blatchley 1926, p. 490.—Monte 1941e, p. 139 [Calif.].—Blöte 1945, p. 89 [Trinidad].—Bruner, Scaramuzza, and Otero 1945, p. 98 [*Lantana involucrata*].—Box 1953, p. 37.—Drake and Cobben 1960, p. 79, fig. 79c [St. Eustatius; Saba; St. Martin; *Lantana canescens*].

TYPE: Holotype ♂, macropterous; “Americae meridionalis Insulis”; Copenhagen Mus.

DISTRIBUTION: Brazil; Panama; Mexico; U.S. (Calif.; Fla.); Trinidad; Cuba; Jamaica; Puerto Rico; Windward Islands (Grenada; Martinique; St. Vincent); Virgin Islands (St. Croix; St. Thomas); Leeward Islands (Antigua; St. Martin; Saba; St. Eustatius; St. Bartholomy).

HOST PLANTS: *Lantana camara*; *Lantana canescens*; *Lantana involucrata*; *Verbesina* sp.; sugar.

**Teleonemia sandersi* Drake and Hambleton

Teleonemia sandersi Drake and Hambleton 1944b, p. 123 [Canal Zone].—

Hurd 1946, p. 448 [Honduras].

TYPE: Holotype ♂, macropterous; Panama Canal Zone; Drake Coll. (USNM).

DISTRIBUTION: Panama (Canal Zone); Honduras.

HOST PLANT: Unrecorded.

**Teleonemia schildi* Drake

Teleonemia schildi Drake 1940b, p. 242 [Costa Rica].

TYPE: Holotype ♀, macropterous; Suiza tur'bla, Costa Rica; Drake Coll. (USNM).

DISTRIBUTION: Costa Rica.

HOST PLANT: Unrecorded.

***Teleonemia schwarzi** Drake

Teleonemia schwarzi Drake 1918b, pp. 324, 326 [Calif.; Ariz.]; 1941b, p. 141 [*Beloperone californica*].—Hurd 1946, p. 448 [*Hymenoclea salsola*].

Teleonemia sororcula Van Duzee 1923, p. 142 [Baja Calif.].

TYPE: Holotype ♀, macropterous; San Diego, California, U.S.; USNM.

DISTRIBUTION: U.S. (Calif.; Ariz.); Mexico (Baja Calif.).

HOST PLANTS: *Beloperone californica*; *Hymenoclea salsola*.

***Teleonemia scrupulosa** Stål

Teleonemia scrupulosa Stål 1873, p. 132 [Brazil; Colombia].—Distant 1888, p. lxxxiii.—Champion 1898a, p. 40, pl. 3, figs. 12, 12a [Mexico; Guatemala; Panama; Grenada; St. Vincent].—Barber 1906, p. 281 [Tex.]; 1914, p. 507 [Fla.].—Van Duzee 1907, p. 22 [Jamaica].—Drake 1918b, p. 329 [Haiti; *Callirhoe involucrata*]; 1926a, p. 86 [Cuba]; 1926b, p. 376; 1930b, p. 25; 1931b, p. 510; 1935, p. 10 [Paraguay]; 1956d, p. 108, fig. 3 [Ponape].—Drake and Burner 1924a, p. 145 [Trinidad].—Blatchley 1926, p. 489, fig. 114 [ebony].—Drake and Hambleton 1934, p. 438; 1944b, p. 123; 1945, p. 357.—Costa Lima 1936, p. 130.—Drake and Poor 1937d, p. 304; 1943, p. 192, fig. 1.—Monte 1938b, p. 131; 1940c, p. 191; 1942d, p. 109; 1944b, p. 459.—Drake and Frick 1939, p. 199, fig. 1 [Peru; British Guiana; French Guiana; Venezuela].—Currie and Fyfe 1939, p. 259.—Khan 1945, p. 149.—Bruner, Scaramuzza, and Otero 1945, p. 98.—Cashmore and Campbell 1946, p. 26.—Zimmerman 1948, p. 121, figs. 44, 45.—Fullaway 1951, p. 208 [*Xanthium*; *Lantana montevidensis*]; 1958, p. 550.—Roonwal 1952, p. 3, fig. 1.—Singh 1953, p. 119.—van der Vecht 1953, p. 170 [Java].—Maehler 1955, p. 377 [*Myoporum sandwicense*].—Silva 1956, p. 59, figs. 24, 25 [*Lantana brasiliensis*].—Orlan 1956, p. 647 [Mauritius].—Drake and Cobben 1960, p. 73, figs. 79a, 81a [Aruba; Curaçao; Klein Bonaire; Bonaire; *Lantana canescens*; *Lippia alba*].—Štušák 1961, p. 77, fig. 5a.

Teleonemia bifasciata (not Champion): Kirkaldy 1905, p. 216.

Teleonemia lantanae Distant 1907, p. 60 [Hawaii].—Kirkaldy 1907, p. 154 [*Lantana camara*]; 1908d, p. 190.—Swezey 1924, p. 75, fig. 2.—Perkins and Swezey 1924, p. 52.—Simmonds 1929, p. 36, figs. 1–4 [Fiji].—Drake 1929, p. 35 [Costa Rica].—Fyfe 1935, p. 35; 1937, p. 182, pl. 1, figs. 1, 2 [Australia].—Van Duzee 1936, p. 225.—Beeson and Chatterjee 1940, pp. 42, 48 [*Lantana aculeata*; India].

Teleonemia vanduzeei Drake 1919c, p. 24.—Drake and Bruner 1924a, p. 144.—Blatchley 1926, p. 489.—Gowdy 1926, p. 35.—Krauss 1953, p. 123.

TYPE: Unknown.

DISTRIBUTION: Peru; Brazil; Paraguay; British Guiana; French Guiana; Venezuela; Colombia; U.S. (Tex.; Fla.; Hawaii); Cuba; Jamaica; Trin-

idad; Haiti; Windward Islands (Grenada; St. Vincent); Netherlands Antilles (Aruba; Curaçao; Klein Bonaire; Bonaire); Costa Rica; Panama; Mexico; Guatemala; Fiji Islands; Greater Sunda Islands (Java); Senyavin Islands (Ponape); Australia; India; Mascarene Islands (Mauritius).

HOST PLANTS: *Callirhoe involucreta*; *Lantana aculeata*; *Lantana brasiliensis*; *Lantana camara*; *Lantana canescens*; *Lantana montevidensis*; *Lippia alba*; *Myoporum sandwicense*; *Xanthium* sp.; ebony.

NOTE: Life history studies [Khan; Roonwal; Simmonds; Fyfe].

**Teleonemia scrupulosa* var. *haytiensis* Drake

Teleonemia haytiensis Drake 1920, p. 53 [Haiti].—Drake and Bruner 1924a, p. 145; 1924b, p. 155 [Cuba].

Teleonemia scrupulosa var. *haytiensis*: Drake and Frick 1939, p. 201.

TYPE: Holotype ♀, macropterous; Port au Prince, Haiti; Drake Coll. (USNM).

DISTRIBUTION: Haiti; Cuba.

HOST PLANT: Unrecorded.

Teleonemia sidae (Fabricius)

Acanthia sidae Fabricius 1794, p. 77.

Tingis sidae: Fabricius 1803, p. 126.—Fieber 1844, p. 108.—Walker 1873a, p. 180 [West Indies].

Tingis (*Tropidocheila*) *sidae*: Stål 1868, p. 92.

Monanthia sidae: Walker 1873a, p. 121.

Teleonemia sidae: Stål 1873, p. 132.

Tropidocheila sidae: Uhler 1886, p. 22.

TYPE: Holotype ♂, macropterous; "Americae meridionalis Insulis Dom."; Kiel Mus. (Copenhagen Mus.).

DISTRIBUTION: Uncertain, possibly West Indies.

HOST PLANT: Unrecorded.

Teleonemia simillima Monte

Teleonemia simillima Monte 1941a, p. 376, fig. 3 [Brazil].

TYPE: Holotype ♂; Puerto America, Rio Putumayo; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

**Teleonemia simulans* Drake

Teleonemia simulans Drake 1922c, p. 358 [Argentina]; 1928i, p. 72.—Drake and Poor 1938b, p. 106.—Monte 1940e, p. 298.

TYPE: Holotype ♀, macropterous; "El Gran Chaco, 'Bords du Rio Tapenaga, Colonia Florencia, S.A.'"; Drake Coll. (USNM).

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

***Teleonemia syssita** Drake and Cobben

Teleonemia syssita Drake and Cobben 1960, pp. 67, 75, figs. 79d, 80, 81b
[St. Eustatius; Saba; St. Martin; *Lantana canescens*].

TYPE: Holotype ♂, macropterous; Cul de Sac, St. Martin; Drake Coll. (USNM).

DISTRIBUTION: Leeward Islands (St. Eustatius; Saba; St. Martin).

HOST PLANT: *Lantana canescens*.

***Teleonemia tellus** Drake and Hambleton (emendation)

Teleonemia telluris Drake and Hambleton 1939, p. 154 [Brazil].

TYPE: Holotype ♂, macropterous; Chapada, Mato Grosso, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Teleonemia teres** Drake (emendation)

Teleonemia teretis Drake 1940b, p. 242 [Brazil].

TYPE: Holotype ♀, macropterous; Chapada, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Teleonemia triangularis** (Blanchard)

Tingis triangularis Blanchard 1846, p. 219, pl. 29, fig. 10 [Bolivia].—
Stål 1873, p. 134.—Lethierry and Severin 1896, p. 26.—Champion
1898a, p. 43.

Lacometopus albilaterus Stål 1858, p. 65 [Brazil].

Tingis (Americia) albilatera: Stål 1873, p. 131.

Monanthia albilatera: Walker 1873a, p. 193.

Lasiacantha (Americia) albilatera: Lethierry and Severin 1896, p. 18.

Teleonemia triangularis: Champion 1898b, p. 61.—Drake 1922c, p. 359;
1935, p. 10 [Paraguay].—Drake and Poor 1937d, p. 302, pl. 36,
fig. 14.—Drake and Hambleton 1938b, p. 53.—Monte 1940c, p. 190;
1941e, p. 141 [Argentina].—Silva 1956, p. 64, fig. 26.

TYPE: Holotype ♀; Province de Chiquitos, Bolivia; Paris Mus.

DISTRIBUTION: Bolivia; Paraguay; Argentina; Brazil.

HOST PLANT: Unrecorded.

Teleonemia tricolor (Mayr)

Monanthia (Gargaphia) tricolor Mayr 1865, p. 442 [Venezuela].—Walker
1873a, p. 192.

Monanthia lanceolata Walker 1873a, p. 194 [Brazil].—Distant 1902b,
p. 357.

Gargaphia tricolor: Stål 1873, p. 125.

Teleonemia albomarginata Champion 1898a, p. 43, pl. 3, figs. 18, 18a
[Panama].—Drake 1922c, p. 359 [Guatemala]; 1929, p. 35 [Suri-
nam]; 1931c, p. 226 [Paraguay; Colombia]; 1932, p. 100 [Barro

Colorado].—Drake and Bruner 1924a, p. 145 [Trinidad].—Drake and Hambleton 1934, p. 438.—Drake and Poor 1939b, p. 95 [Argentina].—Monte 1940c, p. 190; 1940e, p. 298; 1943a, p. 107; 1944b, p. 454; 1947a, p. 233.

Americia albomarginata: Kirkaldy 1905, p. 216 [Peru].

Teleonemia (America) albomarginata: Horváth 1925b, p. 219.

Teleonemia spectabilis Drake 1931c, p. 226; 1935, p. 10.—Drake and Bondar 1932, p. 87.

Teleonemia dispersa Drake 1931c, p. 227, fig. 1 [Ecuador].

Teleonemia lanceolata: Drake and Hambleton 1938b, p. 52, pl. 9, fig. b [*Cucurbita moschata*]; 1944b, p. 121; 1945, p. 357.—Drake and Poor 1942, p. 299.—Drake 1948j, p. 430.—Silva 1956, p. 54, fig. 21 [*Sicana odorifera*; *Sechium edule*].

Teleonemia tricolor: Drake and Ruhoff 1962c, p. 133.

TYPE: Sex unknown; Venezuela; Vienna Mus.

DISTRIBUTION: Brazil; Venezuela; Colombia; Surinam; Ecuador; Paraguay; Peru; Argentina; Panama; Canal Zone (Barro Colorado); Guatemala; Trinidad.

HOST PLANTS: *Cucurbita moschata*; *Sechium edule*; *Sicana odorifera*.

**Teleonemia validicornis* Stål

Teleonemia validicornis Stål 1873, p. 132 [Colombia].—Champion 1898b, p. 62, pl. 3, fig. 4.—Van Duzee 1901, p. 348 [British Guiana].—Drake 1929, p. 35 [Surinam]; 1936b, p. 699 [Argentina].—Drake and Bondar 1932, p. 87 [Brazil; *Macherium oblongifolium subglabrum*].—Costa Lima 1936, p. 130.—Drake and Poor 1937d, p. 303 [French Guiana].—Drake and Hambleton 1938b, p. 52.—Monte 1939b, p. 80 [*Jacaranda paucifoliata*]; 1940c, p. 191.—Hurd 1946, p. 448 [Panama; *Macherium oblongifolium*].—Silva 1956, p. 64, fig. 27.—Drake and Cobben 1960, p. 73, figs. 78, 79b [Venezuela; Curaçao; *Lantana camara*].

TYPE: Holotype ♂; Bogota, Colombia; Stockholm Mus.

DISTRIBUTION: Colombia; Surinam; French Guiana; British Guiana; Brazil; Argentina; Venezuela; Panama; Netherlands Antilles (Curaçao).

HOST PLANTS: *Jacaranda paucifoliata*; *Lantana camara*; *Macherium oblongifolium*; *Macherium oblongifolium* v. *subglabrum*.

**Teleonemia variegata* Champion

Teleonemia variegata Champion 1898a, p. 42, pl. 3, figs. 15, 15a [Mexico; Guatemala].—Barber 1910, p. 38 [Ariz.].—Drake 1918b, p. 328.—Perkins and Swezey 1924, p. 52 [*Lantana*].—Hurd 1946, p. 449 [Honduras].

TYPE: Sex unknown; Capetillo, Guatemala; British Mus.

DISTRIBUTION: Honduras; Guatemala; Mexico; U.S. (Ariz.).

HOST PLANT: *Lantana* sp.

***Teleonemia veneris** Drake

Teleonemia veneris Drake 1939d, p. 527 [Brazil].

TYPE: Holotype ♀, macropterous; Belém, Pará, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Teleonemia vidua** Van Duzee

Teleonemia vidua Van Duzee 1918, p. 278 [Calif.].

TYPE: Holotype ♀; Keen Camp, San Jacinto Mountains, California, U.S.; Cal. Acad.

DISTRIBUTION: U.S. (Calif.).

HOST PLANT: Unrecorded.

***Teleonemia vulgata** Drake and Hambleton

Teleonemia vulgata Drake and Hambleton 1940, p. 533 [Brazil].

TYPE: Holotype ♂, macropterous; Nictheroy, Est. do Rio, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Teleonemia vulsa** Drake and Hambleton

Teleonemia vulsa Drake and Hambleton 1944b, p. 123 [Brazil].

TYPE: Holotype ♂, macropterous; Chapada, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

Genus TIGAVA Stål

Tigava Stål 1858, p. 63; 1873, pp. 121, 130.—Lethierry and Severin 1896, p. 22.—Monte 1939b, p. 80; 1941e, p. 143; 1944a, p. 158.—Hurd 1946, p. 449.—Drake and Ruhoff 1960a, p. 84.

TYPE SPECIES: *Tigava praecellens* Stål.

***Tigava bombacis** Drake and Poor

Tigava convexicollis (not Champion): Drake and Hambleton 1935, p. 143 [Brazil; *Bombax*; *Chorisia speciosa*].—Monte 1937a, p. 35, fig. 5 [*Chorisia*].

Tigava bombacis Drake and Poor 1938a, p. 32.—Monte 1940c, p. 193.—Kormilev 1955a, p. 63 [Argentina].

TYPE: Holotype ♂, macropterous; Viçosa, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil; Argentina.

HOST PLANTS: *Bombax* sp.; *Chorisia speciosa*; *Chorisia* sp.

****Tigava brevicollis* Monte**

Tigava brevicollis Monte 1944a, p. 157, fig. 1 [Brazil; *Ficus*].

TYPE: Holotype ♂; Rio de Janeiro, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: *Ficus* sp.

****Tigava ceibae* Drake and Poor**

Tigava ceibae Drake and Poor 1938a, p. 28 [Brazil; *Ceiba pentandra*].

Tigava ceibae (emended): Silva 1956, p. 64, fig. 28.

TYPE: Holotype ♀, macropterous; Bahia, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil; Paraguay.

HOST PLANT: *Ceiba pentandra*.

****Tigava convexicollis* Champion**

Tigava convexicollis Champion 1897, p. 33, pl. 2, figs. 29, 29a [Panama].

TYPE: Sex unknown; Volcan de Chiriqui, Panama; British Mus.

DISTRIBUTION: Panama.

HOST PLANT: Unrecorded.

****Tigava corumbiana* Drake**

Tigava corumbiana Drake 1942a, p. 12 [Brazil].

TYPE: Holotype ♂, macropterous; Corumba, Matto Grosso, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

****Tigava ferruginea* Monte**

Tigava ferruginea Monte 1940b, p. 378 [Brazil; *Bombax*].

TYPE: Holotype ♂; Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: *Bombax* sp.

****Tigava gracilis* Monte**

Tigava gracilis Monte 1940b, p. 379 [Brazil; Papilionaceae]; 1941e, p. 144 [Leguminosae].

TYPE: Holotype ♂; Lapinha, Lagoa Santa, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANTS: Leguminosae; Papilionaceae.

****Tigava graminis* Drake and Poor**

Tigava graminis Drake and Poor 1938a, p. 33 [Brazil; Gramineae].—
Silva 1956, p. 67.

TYPE: Holotype ♀, macropterous; Bahia, Brazil; Drake Coll. (USNM)

DISTRIBUTION: Brazil.

HOST PLANT: Gramineae.

****Tigava hambletoni* Drake**

Tigava hambletoni Drake 1948d, p. 16 [Peru].

TYPE: Holotype ♂, macropterous; Tingo Maria, Peru; USNM.

DISTRIBUTION: Peru.

HOST PLANT: Unrecorded.

****Tigava notabilis* Drake**

Tigava notabilis Drake 1922c, p. 364, pl. 39, fig. 9 [Brazil]; 1930a, p. 1.

TYPE: Holotype ♂; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil; Bolivia.

HOST PLANT: Unrecorded.

****Tigava praezellens* Stål**

Tigava praezellens Stål 1858, p. 63 [Brazil]; 1873, p. 130.—Walker 1873b, p. 4.—Champion 1898b, p. 61, pl. 3, fig. 1.—Drake and Poor 1937d, p. 305 [Bolivia].—Drake and Hambleton 1938a, p. 45.—Monte 1939b, p. 81 [Leguminosae]; 1940c, p. 193 [Papilionaceae].

Tigava praezellens [sic]: Drake 1931b, p. 510.

TYPE: Holotype ♀; Rio de Janeiro, Brazil; Stockholm Mus.

DISTRIBUTION: Brazil; Bolivia.

HOST PLANTS: Leguminosae; Papilionaceae.

****Tigava pulchella* Champion**

Tigava pulchella Champion 1897, p. 32, pl. 2, fig. 26 [Mexico].—Drake and Bruner 1924a, p. 146 [*Solanum torvum*].

TYPE: Sex unknown; Vera Cruz, Mexico; British Mus.

DISTRIBUTION: Mexico; Guatemala; Honduras; Cuba.

HOST PLANTS: *Solanum torvum*; avocado.

****Tigava semota* Drake**

Tigava semota Drake 1931a, p. 405 [Brazil]; 1935, p. 13 [Paraguay].

TYPE: Holotype ♂, macropterous; Chapada, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil; Paraguay.

HOST PLANT: Unrecorded.

***Tigava spatula* Monte**

Tigava spatula Monte 1945a, p. 250 [Brazil].

TYPE: Holotype ♂; Rio Verde, Goiás, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

****Tigava tingoana* Drake**

Tigava tingoana Drake 1948d, p. 17 [Peru].

TYPE: Holotype ♂, macropterous; Tingo Maria, Peru; USNM.

DISTRIBUTION: Peru.

HOST PLANT: Unrecorded.

Genus TIGAVARIA Drake

Tigavaria Drake 1945, p. 99.—Drake and Ruhoff 1960a, p. 84.

TYPE SPECIES: *Tigava unicarinata* Hacker.

***Tigavaria unicarinata (Hacker)**

Tigava unicarinata Hacker 1929, p. 325, pl. 32, fig. 2 [Queensland].

Tigavaria unicarinata: Drake 1945, p. 99.

TYPE: Sex unknown; Gold Creek, Queensland, Australia, Queensland Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

Genus TINGIS Fabricius

Tingis Fabricius 1803, p. 124.—Stål 1874, p. 54.—Horváth 1906a, pp. 14, 61 (key).—Mužik 1907, pp. 50, 58 (key).—Oshanin 1908, p. 429; 1912, p. 44.—Schumacher 1914, p. 257.—Stichel 1926, pp. 104, 110; 1935, p. 349; 1938a, p. 406; 1960a, p. 307; 1960b, p. 396; 1960c, p. 135.—Blatchley 1926, p. 487.—de Seabra 1931, pp. 407, 422 (key).—Börner 1935, p. 76.—Gulde 1938, pp. 244, 287 (key).—Monte 1939b, p. 81; 1941e, p. 146.—China 1943, p. 247.—Blöte 1945, p. 85.—Hurd 1946, p. 463.—González 1948, p. 50.—Kiritshenko 1951, pp. 242, 248 (key).—Priesner and Alfieri 1953, p. 64 (key).—Drake and Ruhoff 1960a, p. 85.

Phyllontocheila Fieber 1844, p. 59 (in part).—Distant 1903b, p. 135.—Drake and Ruhoff 1960a, p. 76.

Platyichilae Fieber 1861, p. 119 (in part; without species).—Drake and Ruhoff 1960a, p. 78.

Monanthia (Platyichila) Puton 1879c, p. 107.—Drake and Ruhoff 1960a, p. 78.

Phyllontochila: Lethierry and Severin 1896, p. 17 (in part).

TYPE SPECIES: *Cimex cardui* Linnaeus.

Subgenus TINGIS (TINGIS) Fabricius

Tingis (Tingis) Fabricius 1803, p. 124.—Horváth 1906a, p. 71.—Drake and Ruhoff 1960a, p. 85.

TYPE SPECIES: *Cimex cardui* Linnaeus.

***Tingis aemula Drake**

Tingis aemula Drake 1947c, p. 115 [South Australia].

TYPE: Holotype ♀, macropterous; Oldea, South Australia, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (South Australia).

HOST PLANT: Unrecorded.

****Tingis americana* Drake**

Tingis americana Drake 1922c, p. 366, pl. 39, fig. 11 [Brazil]; 1926d, pp. 83, 84; 1930a, p. 1; 1931b, p. 511; 1935a, p. 11 [Paraguay].—Monte 1937a, p. 34, fig. 15 [*Tecoma*]; 1937c p. 72.—Drake and Hambleton 1938a, p. 64.—Kornilev 1955a, p. 64 [Argentina].

TYPE: Holotype ♀; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil; Paraguay; Argentina.

HOST PLANT: *Tecoma* sp.

****Tingis ampliata* (Herrich-Schaeffer)**

Monanthia ampliata Herrich-Schaeffer 1838, p. 62, pl. 127, fig. 397a [Czechoslovakia; Austria].—Mayr 1858, p. 569.—Fieber 1861, p. 120 [Ukraine].—Douglas and Scott 1865, p. 252.—Garbiglietti 1869, p. 272.—Walker 1873a, p. 183.—Saunders 1875, p. 248.—Reiber and Puton 1876, p. 69.—Dubois 1888, p. 121.—d'Antessanty 1890, p. 32.—Hüeber 1893, p. 329 [Switzerland; Germany].—Butler 1923, p. 209.

Tingis ampliata: Curtis 1839, tab. 741 [England].—Stål 1874, p. 54.—Sahlberg 1878, p. 21.—Horváth 1906a, pp. 63, 71 [Hungary; Caucasus; *Cirsium*].—Reuter 1908, p. 88 [*Pinus*].—Scholte 1935, p. 62, fig. 15 [Netherlands].—Reclaire 1940, p. 109 [*Cirsium arvense*].—Cobben 1948, p. 82.—Kiritshenko 1951, p. 249.—Singer 1952, p. 52 [*Cirsium palustre*].—Bator 1953, p. 325, pl. 3, fig. 5.—Southwood and Scudder 1956, p. 93, figs. 1, 2a, 3–5, 8–13a.—Štušák 1957b, p. 140, fig. 15a.—Southwood and Leston 1959, p. 148, pl. 21, fig. 8; figs. 41, 46.—Stichel 1960a, p. 311 [Poland; Turkestan; *Cirsium lanceolatum*].

Monanthia (Phyllontocheila) ampliata: Fieber 1844, p. 59, pl. 5, figs. 10–11 [*Verbascum*; Italy].—Herrich-Schaeffer 1850, p. 155.

Monanthia (Platycheila) ampliata: Puton 1879c, p. 108 [France; *Carduus*].—Saunders 1892, p. 132, pl. 12, fig. 5.

Phyllonthocheila [sic] *ampliata*: Reichensperger 1920, p. 62.

TYPE: Unknown.

DISTRIBUTION: England; Netherlands; France; Germany; Czechoslovakia; Poland; Austria; Switzerland; Italy; Hungary; U.S.S.R. (Caucasus; Turkestan; Ukraine).

HOST PLANTS: *Carduus* sp.; *Cirsium arvense*; *Cirsium lanceolatum*; *Cirsium palustre*; *Cirsium* sp.; *Pinus* sp.; *Verbascum* sp.

NOTE: Life history studies [Butler; Southwood and Scudder; Štušák]. Predators [Southwood and Leston].

****Tingis angustata* (Herrich-Schaeffer)**

Monanthia angustata Herrich-Schaeffer 1838, p. 61, pl. 127, fig. 397b [Germany].—Scholz 1847, p. 119.—Fieber 1861, p. 121 [Ukraine].—Garbiglietti 1869, p. 272.—Gredler 1870, p. 75.—Walker 1873a,

p. 184.—Chicote 1880, p. 189.—Horváth 1881b, p. xxxiv.—d'Antes-santy 1890, p. 32.—Hüeber 1893, p. 333.—Butler 1923, p. 212 [Algeria].

Monanthia (Phyllontocheila) angustata: Fieber 1844, p. 62, pl. 5, fig. 16–18 [Czechoslovakia; Austria].—Herrich-Schaeffer 1850, p. 155.

Catopolatus parallelus Costa 1847b, p. 19 [Italy]; 1847d, p. 255.—Fieber 1861, p. 383.—Stichel 1960d, p. 119.

Catoplatus variolosus Costa 1847b, p. 20; 1847d, p. 256, pl. 3, fig. 2.—Fieber 1861, p. 383.—Stichel 1960d, p. 119.

Monanthia brachycera Fieber 1861, p. 121 [Yugoslavia].

Monanthia parallela: Garbiglietti 1869, p. 273.—Walker 1873a, p. 187.—Bolivar and Chicote 1879, p. 166 [Spain].

Monanthia variolosa: Garbiglietti 1869, p. 273.—Walker 1873a, p. 187.

Tingis angustata: Stål 1874, p. 54.—Horváth 1906a, pp. 63, 73; 1906d, p. 2; 1916, p. 9.—Reuter 1908, p. 88.—Stichel 1926, p. 112; 1960a, p. 313, fig. 117 [Sicily; Sardinia; *Pyrus aria*].—Hoberlandt 1943b, pp. 121, 123; 1955, p. 89.—Lindberg 1948, p. 59 [Greece; Cyprus; *Sorbus cretica*].—Kiritshenko 1951, p. 250.—Mancini 1953b, p. 186; 1953d, p. 16.—Seidenstücker 1954, p. 235.—Southwood and Leston 1959, p. 149.

Monanthia (Platycheila) angustata: Puton 1879c, p. 110 [France; Corsica; England].—Saunders 1892, p. 134, pl. 12, fig. 6.

Monanthia angustata var. *sympathica* Horváth 1881a, p. 41 [Hungary].

Monanthia fieberi Puton 1886b, p. 33.—Hüeber 1893, p. 333.

Phyllontocheila angustata: Reuter 1891a, p. 26 [Albania].

Phyllontocheila parallela: Horváth 1901, p. 475 [Turkey].

Monanthia (Platycheila) taurica Jakovlev 1903b, p. 193 [Crimea].

TYPE: Sex unknown; Regensburg, Germany; Munich Mus.

DISTRIBUTION: England; Spain; France; Corsica; Italy; Sicily; Sardinia; Austria; Czechoslovakia; Germany; Hungary; Albania; Greece; Yugoslavia; Cyprus; Turkey; U.S.S.R. (Crimea; Ukraine); Algeria.

HOST PLANTS: *Pyrus aria*; *Sorbus cretica*.

Tingis angustata var. *diminuta* Horváth

Tingis angustata var. *diminuta* Horváth 1906a, p. 74 [Spain].

TYPE: Sex unknown; Albarracin, Spain; Helsin. Mus.

DISTRIBUTION: Spain.

HOST PLANT: Unrecorded.

***Tingis auriculata** (Costa)

Monanthia cardui (not Linnaeus): Herrich-Schaeffer 1838, p. 61, pl. 127, fig. b.

Monanthia (Phyllontocheila) sinuata Fieber 1844, p. 60, pl. 5, figs. 12–15 [Czechoslovakia; Austria; Sicily; *Statice*].

Catoplatus auriculatus Costa 1847b, p. 20 [Italy]; 1847d, p. 256, pl. 3, fig. 3.—Stichel 1960d, p. 119.

Monanthia sinuata: Mayr 1858, p. 570 [Hungary].—Fieber 1861, p. 120 [France; Ukraine; Corsica].—Jakovlev 1869, p. 111 [Russia]; 1880b, p. 104 [Caucasus].—Garbiglietti 1869, p. 272.—Walker 1873a, p. 183.—Horváth 1874b, p. 432.

Monanthia unicolor Garbiglietti 1869, p. 274 [Sardinia].—Walker 1873a, p. 188.

Monanthia (Platychila) auriculata: Puton 1879c, p. 109 [*Stachys recta*].

Monanthia auriculata: Chicote 1880, p. 189 [Spain].—Puton 1881, p. 123 [Syria].—d'Antessanty 1890, p. 32.—Hüeber 1893, p. 332.—Mancini 1949b, p. 36; 1953b, p. 186; 1953d, p. 16.

Phyllonochila auriculata: Lethierry and Severin 1896, p. 16 [Algeria].

Phyllonochela auriculata: Horváth 1901, p. 475 [Turkey].

Tingis auriculata: Horváth 1905b, p. 568; 1906a, pp. 62, 71 [Rumania; Armenia; Turkestan]; 1906d, p. 2; 1916, p. 9 [Albania].—Oshanin 1908, p. 431 [Switzerland; Portugal; Bulgaria; Yugoslavia; Greece].—Stichel 1926, p. 111 [*Daucus carota*; *Caucalis daucoides*; Germany]; 1938a, p. 406 [Morocco]; 1960a, p. 310 [*Torilis arvensis*].—de Seabra 1931, p. 426, figs. 495(3), 497.—Lindberg 1932a, p. 41; 1948, p. 59 [Cyprus].—Vidal 1937, p. 197.—Hoberlandt 1943b, p. 120; 1955, p. 89 [Israel].—Kiritshenko 1951, p. 249.—Seidenstücker 1954, p. 235.—Gomez-Menor 1955b, p. 248.—Štušák 1961a, p. 84, figs. 11, 18.—Drake and Ruhoff 1962a, p. 156.

Monanthia ? necopina Drake 1919a, p. 420 [Md.]; 1926d, p. 83.

Tingis necopina: McAtee 1923, p. 145.—Blatchley 1926, p. 487.

TYPE: Sex unknown; Naples, Italy; Naples Mus.

DISTRIBUTION: Spain; Portugal; France; Corsica; Sardinia; Sicily; Italy; Switzerland; Czechoslovakia; Germany; Austria; Hungary; Albania; Yugoslavia; Rumania; Bulgaria; Greece; Turkey, Cyprus; Israel; Syria; U.S.S.R. (Armenia; Ukraine; Turkestan; Caucasus); Algeria; Morocco; U.S. (Md.).

HOST PLANTS: *Caucalis daucoides*; *Daucus carota*; *Stachys recta*; *Stachys* sp.; *Statice* sp.; *Torilis arvensis*.

NOTE: Study of eggs [Štušák].

**Tingis auriculata* var. *dauci* Horváth

Tingis auriculata var. *dauci* Horváth 1905b, p. 568 [Hungary; Rumania; Spain; Algeria; *Daucus carota*]; 1906a, p. 71.—Mancini 1953c, p. 22 [Italy].—Stichel 1960a, p. 310 [Sardinia; Czechoslovakia; Iraq; *Caucalis daucoides*].

TYPE: Unknown.

DISTRIBUTION: Italy; Hungary; Rumania; Spain; Iraq; Sardinia; Czechoslovakia; Algeria.

HOST PLANTS: *Caucalis daucoides*; *Daucus carota*.

Tingis brevicornis (Horváth)

Phyllontocheila brevicornis Horváth 1902a, p. 595 [Armenia].

Tingis brevicornis: Horváth 1906a, p. 78 [Turkmen; Turkestan].—Oshanin 1908, p. 436 [Transcaucasus].

TYPE: Holotype ♂; Armenia, Russia; Hungarian Mus.

DISTRIBUTION: U.S.S.R. (Armenia; Turkestan; Turkmen; Transcaucasus).

HOST PLANT: Unrecorded.

***Tingis buddleiae** Drake

Tingis buddleiae Drake 1930e, p. 168 [Luzon; *Buddleia asiatica*].—Drake and Poor 1937b, p. 402.—Drake and Ruhoff 1962c, p. 133.

Tingis himalayae Drake 1948g, p. 173 [India].

TYPE: Holotype ♂, macropterous; Los Banos, Philippine Islands; USNM.

DISTRIBUTION: Philippine Islands (Luzon); China; India.

HOST PLANTS: *Buddleia asiatica*; *Vitex trifolia*.

***Tingis capillata** Kiritshenko

Tingis capillata Kiritshenko 1914, p. 194 [Turkestan].

TYPE: Sex unknown; Turkestan, Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R. (Turkestan).

HOST PLANT: Unrecorded.

***Tingis cardui** (Linnaeus)

FIGURES 1b, c; 6c, d

Cimex sp. 660 Linnaeus 1746, p. 207 [*Carduus*].

Cimex cardui Linnaeus 1758, p. 443; 1761, p. 247; 1767, p. 718.—Houttuyn 1765, p. 343.—de Geer 1773, p. 309, pl. 16, figs. 1–6.—Müller 1774, p. 483.—Schrank 1781, p. 266; 1782, p. 276.—Villers 1789, p. 486.—Gmelin 1790, p. 2127.

Acanthia cardui: Fabricius 1775, p. 696; 1781, p. 338; 1787, p. 280; 1794, p. 77.—Panzer 1796, heft 5, tab. 24.—Cederhielm 1798, p. 270.—Wolff 1801, p. 45, pl. 5, fig. 42.—Schrank 1801, p. 65.—Walckenaer 1802, p. 338.—Meixner 1915, p. 270.

Cimex minutulus Goeze 1778, p. 277.

Acanthia clavicornis (not Linnaeus): Panzer 1793, heft 3, tab. 24.

Tingis cardui: Fabricius 1803, p. 125.—Latrielle 1804, p. 252; 1810, p. 433.—Fallén 1807, p. 36 [Sweden]; 1829, p. 143.—Le Peletier and Serville 1828, p. 653.—Zetterstedt 1828, p. 480; 1840, p. 269 [Lapland].—Herrich-Schaeffer 1835, p. 58.—Curtis 1839, tab. 741 [Scotland; England].—Westwood 1840b, p. 120.—Stål 1874, p. 54.—Sahlberg 1878, p. 21 [Siberia]; 1920, p. 83.—Reuter 1882b, p. 119 [*Cirsium lanceolatum*].—Horváth 1906a, pp. 63, 72 [Canary Islands; Algeria; Turkey; Armenia; Causasus; *Marrubium vulgare*]; 1906d, p. 2.—Oshanin 1908, p. 432 [Morocco; Turkestan].—Lindberg 1919, p. 42; 1932a, p. 41 [*Galactites tomentosa*]; 1934, p. 29 [China];

1936b, p. 30.—Stichel 1926, p. 112, fig. 301; 1938a, p. 406 [Albania; Yugoslavia]; 1960a, p. 312, fig. 116 [Sicily, Sardinia, Bulgaria, *Silybum*].—de Scabra 1931, p. 426, fig. 498.—Scholte 1935, p. 62, fig. 16.—Börner 1935, p. 77, fig. 116.—Mancini 1935, p. 9; 1952, p. 12; 1953b, p. 186; 1953d, p. 16.—Gulde 1938, p. 294, fig.—Hoberlandt 1942, p. 125; 1943b, p. 123; 1955, p. 89.—Blöte 1945, p. 86 [Belgium].—Cobben 1948, p. 82, fig. 3 [*Cirsium vulgare*].—Novak and Wagner 1951, p. 70.—Kiritschenko 1951, p. 249.—Bator 1953, p. 325, pl. 3, fig. 5.—Strawinski 1953, p. 380.—Gomez-Menor 1955b, p. 248; 1956b, p. 82, fig.—Southwood and Scudder 1956, pp. 93, 102, figs. 2b, 6, 7, 13b [*Cirsium palustre*].—Štušák 1957b, pp. 139, 140, figs. 9, 12a, 15b; 1958, p. 368, fig. 15.—Southwood and Leston 1959, p. 149, pl. 5, fig. 11; pl. 18, fig. 6; pl. 21, fig. 11.—Drake and Davis 1960, figs. 1, 3, 4, 7–10, 12, 16, 17.

Monanthia cardui: Burmeister 1835, p. 260.—Herrich-Schaffer 1838, p. 61, pl. 127, fig. A.—Amyot and Serville 1843, p. 298 [France].—Sahlberg 1848, p. 131 [Finland].—Mayr 1858, p. 570 [Austria; Ukraine; Hungary; *Ligustrum vulgare*].—Fieber 1861, p. 120.—Douglas and Scott 1865, p. 251.—Garbiglietti 1869, p. 272 [Italy].—Gredler 1870, p. 75.—Thomson 1871, p. 398.—Horváth 1874b, p. 432; 1892b, p. 131.—Siebke 1874, p. 22 [Norway].—Saunders 1875, p. 248; 1892, p. 133.—Reiber and Puton 1876, p. 69.—Vollenhoven 1878, p. 272, pl. 9, fig. 5 [Netherlands].—Ferrari 1878, p. 85.—Bolivar and Chicote 1879, p. 166 [Spain; Portugal].—Puton 1886a, p. 5 [Tunisia].—Dubois 1888, p. 121.—d'Antessanty 1890, p. 32.—Hüeber 1893, p. 330 [Czechoslovakia].—Mason 1898a, p. 140.—Kirkaldy 1908e, p. 59 [*Carduus crispus*].—Jensen-Haarup 1912, pp. 155, 156, fig. 98b.—Butler 1923, p. 210 [Wales; Ireland; Madeira; *Pinus austriaca*; *Pinus sylvestris*; *Serratula*].

Monanthia (Phyllontheila) cardui: Fieber 1844, p. 61, pl. 5, figs. 1–8 [*Carduus nutans*; *Carduus acanthoides*].—Herrich-Schaeffer 1850, p. 155.—Flor 1860, p. 345 [Estonia; Latvia; Denmark; Poland; Iran; Germany].

Catoplatus cardui: Costa 1847a, p. 23; 1847c, p. 163.

Monanthia cardui [sic]: Frey-Gessner 1865, p. 231 [Switzerland].

Monanthia (Platycheila) cardui: Puton 1879c, p. 108 [Corsica].—Mason 1898b, p. 210 [*Carduus lanceolatus*].

Phyllontheila cardui: Reuter 1891a, p. 26 [Greece].

Phyllontheila [sic] *cardui*: Reichensperger 1920, p. 62.

Tingis montana Lindberg 1932a, p. 42, pl. 2, fig. 5 (fig. only).—Drake and Ruhoff 1962c, p. 134.

TYPE: Unknown.

DISTRIBUTION: Ireland; Scotland; Wales; England; Portugal; Spain; France; Belgium; Netherlands, Germany; Czechoslovakia; Switzerland;

Austria; Hungary; Italy; Corsica; Sardinia; Sicily; Yugoslavia; Albania; Bulgaria; Greece; Poland; Denmark; Norway; Sweden; Finland; (Lapland); U.S.S.R. (Estonia; Latvia; Ukraine; Caucasus; Armenia; Turkestan; Siberia); Turkey; Iran; Tunisia; Algeria; Morocco; Canary Islands; Madeira Island; China.

HOST PLANTS: *Carduus acanthoides*; *Carduus crispus*; *Carduus lanceolatum*; *Carduus nutans*; *Carduus* sp.; *Cirsium lanceolatum*; *Cirsium palustre*; *Cirsium vulgare*; *Galactites tomentosa*; *Marrubium vulgare*; *Pinus austriaca*; *Pinus sylvestris*; *Serratula* sp.; *Silybum* sp.

NOTE: Life history studies [Southwood and Scudder; Štušák].

**Tingis cardui* var. *cognata* (Fieber)

Monanthia cognata Fieber 1861, p. 121 [Corsica].—Garbiglietti 1869, p. 272.

Monanthia (Platychila) cardui var. *cognata*: Puton 1879c, p. 109 [France].

Tingis cardui var. *cognata*: Horváth 1906a, p. 73 [Italy; Algeria].—Oshanin 1908, p. 433 [Russia].—Lindberg 1932a, p. 41 [Spain].—Hoberlandt 1943b, pp. 121, 123 [Czechoslovakia].—Blöte 1945, p. 86 [Tunisia].—Mancini 1952, p. 13 [Turkey; Iran; Caucasus; Turkestan].

Tingis auriculata var. *cognata*: Vidal 1937, p. 197 [Morocco].

TYPE: Sex unknown; Corsica; Vienna Mus.

DISTRIBUTION: Spain; France; Corsica; Italy; Czechoslovakia; Turkey; Iran; U.S.S.R. (Caucasus; Turkestan); Tunisia; Morocco; Algeria.

HOST PLANT: Unrecorded.

**Tingis cardui* var. *maderensis* (Reuter)

Monanthia (Platychila) cardui var. *maderensis* Reuter 1890b, p. 262 [Madeira].

Tingis cardui var. *maderensis*: Horváth 1906a, p. 73.—China 1938, p. 20.—Lindberg 1960a, p. 13 [La Palma].—Stichel 1960a, p. 312.

TYPE: Sex unknown; Madeira; Berlin Mus.

DISTRIBUTION: Madeira; Canary Islands (La Palma).

HOST PLANT: Unrecorded.

**Tingis colombiana* Drake

Tingis colombiana Drake 1929, p. 35, fig. 1 [Colombia].—Drake and Hambleton 1938a, p. 63 [Brazil].—Monte 1938b, p. 127 [Bignoniaceae].—Drake and Davis 1960, fig. 47.

TYPE: Holotype ♂; Sabanilla, Colombia; Hamburg Mus.

DISTRIBUTION: Colombia; Brazil.

HOST PLANT: Bignoniaceae.

****Tingis comosa* (Takeya)**

Dictyonota comosa Takeya 1931, p. 66, pl. 7, fig. 1; pl. 8, figs. 1-3 [Japan].—Drake and Hsiung 1936, p. 288.

Tingis modosa Drake 1937b, p. 593 [China].

Tingis comosa: Drake 1948a, p. 2.—Takeya 1951a, p. 15; 1953a, p. 2.—Drake and Maa 1953, p. 91 [*Artemisia*].

TYPE: Holotype ♂; Hikosan, Prov. Buzen, Kyushu, Japan; Kyushu Univ.

DISTRIBUTION: Japan; China; India.

HOST PLANT: *Artemisia* sp.

****Tingis consaepta* Drake and Poor**

Tingis consaepta Drake and Poor 1939c, p. 205 [India].

TYPE: Holotype ♀, macropterous; Ayur, North Salem, Madras, India; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

****Tingis coomani* Drake**

Tingis coomani Drake 1947d, p. 227, fig. [Viet-Nam]; 1947h, no. 70, (color fig.).

TYPE: Holotype ♂; Tonkin, Hoabinh, Indochina; Heude Mus.

DISTRIBUTION: Viet-Nam.

HOST PLANT: Unrecorded.

****Tingis corumbiana* Drake**

Tingis corumbiana Drake 1926d, pp. 83, 84 [Brazil].

Tingis corubiana [sic]: Drake 1930a, p. 1.

TYPE: Holotype ♂; Corumbá, Matto Grosso, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

****Tingis crispata* (Herrich-Schaeffer)**

Derephysia crispata Herrich-Schaeffer 1838, p. 72, pl. 128, figs. 399, a-c [Hungary].

Monanthia (Phyllontocheila) crispata: Fieber 1844, p. 66, pl. 5, figs. 28-30.—Herrich-Schaeffer 1850, p. 154.

Monanthia crispata: Fieber 1861, p. 384.—Garbiglietti 1869, p. 273 [Italy].—Horváth 1874b, p. 432.—Hüeber 1893, p. 336.

Phyllantocheila [sic] *crispata*: Costa 1863, p. 6.

Monanthia (Platycheila) crispata: Puton 1879c, p. 110 [France].

Lasiotropis crispata: Lethierry and Severin 1896, p. 18.

Tingis crispata: Horváth 1906a, pp. 64, 75 [Caucasus; Bulgaria; Rumania; Austria; *Artemisia vulgaris*]; 1906d, p. 2.—Oshanin 1908, p. 434 [Turkestan].—Stichel 1926, p. 112 [Germany]; 1960a, p. 313, fig. 118 [Switzerland; *Artemisia campestris*; *Artemisia absinthium*].—

Ross and Hedicke 1927, p. 92.—Hoberlandt 1943b, pp. 121, 123 [Czechoslovakia].—Blöte 1945, p. 86 [Tunisia].—Mancini 1949b, p. 37.—Kiritshenko 1951, p. 250.—Putshkov 1960, p. 303.

TYPE: Sex unknown; Hungary; Munich Mus.

DISTRIBUTION: France; Germany; Czechoslovakia; Austria; Switzerland; Italy; Hungary; Rumania; Bulgaria; U.S.S.R. (Caucasus; Turkestan); Tunisia.

HOST PLANTS: *Artemisia absinthium*; *Artemisia campestris*; *Artemisia vulgaris*.

NOTE: Life history study [Putshkov].

Tingis crispata var. **addita** Horváth

Tingis crispata var. *addita* Horváth 1911b, p. 584 [Rumania].

TYPE: Holotype ♀; Comana, Rumania; Hungarian Mus.

DISTRIBUTION: Rumania.

HOST PLANT: Unrecorded.

Tingis demissa Horváth

Tingis demissa Horváth 1906a, p. 78 [Turkey].—Hoberlandt 1955, p. 90.—Stichel 1960a, p. 315 [*Cirsium*].

TYPE: Holotype ♀; Konia, Turkey; deposition unknown.

DISTRIBUTION: Turkey.

HOST PLANT: *Cirsium* sp.

***Tingis deserticola** Horváth

Tingis deserticola Horváth 1906a, p. 71 [Turkestan].

TYPE: Sex unknown; Tshu, Turkestan, Russia; Hungarian Mus.

DISTRIBUTION: U.S.S.R. (Turkestan).

HOST PLANT: Unrecorded.

***Tingis drakei** Hacker

Tingis drakei Hacker 1929, p. 328, pl. 33, fig. 8 [Queensland].—Drake 1961b, p. 110.—Drake and Ruhoff 1962b, p. 250 [Lord Howe].

TYPE: Sex unknown; South Pine River, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland; Lord Howe Island).

HOST PLANT: Unrecorded.

***Tingis elongata** (Fieber)

Monanthia elongata Fieber 1861, p. 121 [Yugoslavia].—Walker 1873a, p. 184.—Chicote 1880, p. 189 [Spain].

Monanthia parallela (not Costa): Puton 1879c, p. 110.

Phyllontochila elongata: Lethierry and Severin 1896, p. 17 [Algeria].

Phyllontocheila fallax Horváth 1902a, p. 596.

Phyllontocheila proluxa Horváth 1902a, p. 597.

Tingis elongata: Horváth 1906a, p. 79, pl. 1, fig. 8.—Vidal 1937, p. 197 [Morocco].—Lindberg 1948, p. 59 [*Juniperus foetidissima*; Cyprus].—

Stichel 1960a, p. 315.—Drake and Ruhoff 1962a, p. 156.

TYPE: Sex unknown; Serbia; Vienna Mus.

DISTRIBUTION: Spain; Yugoslavia; Cyprus; Algeria; Morocco.

HOST PLANT: *Juniperus foetidissima*.

†*Tingis florissantensis* Cockerell

Tingis florissantensis Cockerell 1914, p. 719, fig. 4 [Colo.; Miocene].—
Drake and Ruhoff 1960a, p. 11.

TYPE: Sex undeterminable; fossil; Miocene shales; Florissant, Colorado, U.S.; deposition unknown.

DISTRIBUTION: Fossil.

Tingis foleyi Bergevin

Tingis foleyi Bergevin 1929, p. 115, fig. 2 [Algeria].

TYPE: Holotype ♀; l'Oued Ilaman, Algeria; Paris Mus.

DISTRIBUTION: Algeria.

HOST PLANT: Unrecorded.

Tingis fuentei Horváth

Tingis fuentei Horváth 1906a, p. 76 [Spain].—Wagner 1958, p. 240
[France; *Centaurea solstitialis*].—Stichel 1960a, p. 314.

TYPE: Holotype ♀; Fuencaliente, Spain; Hungarian Mus.

DISTRIBUTION: Spain; France.

HOST PLANT: *Centaurea solstitialis*.

**Tingis grisea* Germar

Tingis grisea Germar 1835, fasc. 15, tab. 13 [Germany].—Herrich-Schaeffer 1835, p. 58.—Horváth 1906a, pp. 65, 77 [Yugoslavia].—Oshanin 1908, p. 435 [Turkestan; Transcaucasus].—Stichel 1926, p. 112 [*Centaurea rhenana*]; 1960a, p. 314 [Morocco].—Hoberlandt 1942, p. 125; 1943a, p. 118; 1943b, p. 120; 1955, p. 90 [Turkey; Israel].—Štusak 1957a, p. 23, figs. 6–8; 1959b, p. 181, figs. 1–8; 1961a, p. 77, fig. 5g.—Putshkov 1960, p. 304.

Monanthia grisea: Herrich-Schaeffer 1838, pp. 52, 60, pl. 122d [Czechoslovakia].—Scholz 1847, p. 119.—Mayr 1858, p. 570 [Rumania; Hungary].—Fieber 1861, pp. 120, 383.—Walker 1873a, p. 183 [England].—Horváth 1874b, p. 432.—Jakovlev 1876b, p. 67 [Russia]; 1880b, p. 106 [Caucasus].—Puton 1874a, p. 226; 1881, p. 123 [Syria].—Rey 1893, p. 97.—Hüeber 1893, p. 336.

Monanthia (Phyllontocheila) grisea: Fieber 1844, p. 64, pl. 5, figs. 25–27 [Austria; *Centaurea paniculata*].—Herrich-Schaeffer 1850, p. 154.

Monanthia pallida Garbiglietti 1869, p. 273 [Italy].—Walker 1873a, p. 187.

Lasiotropis grisea: Stål 1874, p. 55.

Monanthia (Platycheila) grisea: Puton 1879c, p. 110 [France].

TYPE: Germany; sex and deposition of type unknown.

DISTRIBUTION: England; France; Germany; Czechoslovakia; Austria; Italy; Hungary; Yugoslavia; Rumania; Turkey; Syria; Israel; U.S.S.R. (Caucasus; Transcaucasus; Turkestan); Morocco.

HOST PLANTS: *Centaurea paniculata*; *Centaurea rhenana*.

NOTE: Life history studies [Putshkov; Štušák 1959b]. Study of eggs [Štušák 1957a; 1961a].

**Tingis hackeri* Drake

Tingis hackeri Drake 1947c, p. 118 [Queensland].

TYPE: Holotype ♂, macropterous; National Park, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

**Tingis hurdae* Drake

Tingis hurdae Drake 1947c, p. 113, fig. 25 [Queensland]; 1961b, p. 110.

TYPE: Holotype ♂, macropterous; Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

**Tingis impensa* Drake

Tingis impensa Drake 1947c, p. 112, fig. 24a [Tasmania].

TYPE: Holotype ♀, macropterous; Tasmania, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Tasmania).

HOST PLANT: Unrecorded.

Tingis laetabilis (Horváth)

Phyllontocheila laetabilis Horváth 1903a, p. 77 [Algeria].

Tingis laetabilis: Horváth 1906a, p. 75.

TYPE: Holotype ♂; Ain-Sefra, Algeria; Hungarian Mus.

DISTRIBUTION: Algeria.

HOST PLANT: Unrecorded.

**Tingis lanigera* (Puton)

Monanthia lanigera Puton 1886a, p. 5 [Algeria].

Monanthia (Platychila) lanigera: Puton 1886a, p. 16.

Phyllontochila lanigera: Lethierry and Severin 1896, p. 17 [Tunisia].

Tingis lanigera: Horváth 1906a, p. 75.—Lindberg 1932a, p. 41 [Morocco;

Populus nigra; *Ephedra*].—Vidal 1937, p. 197.

TYPE: Sex unknown; Philippeville, Algeria; Paris Mus.

DISTRIBUTION: Algeria; Tunisia; Morocco.

HOST PLANTS: *Ephedra* sp.; *Populus nigra*.

**Tingis lasiocera* Matsumura

Lasiotrophis grisea (not Germar): Matsumura 1905, p. 39.

Tingis lasiocera Matsumura 1908, p. 148, fig.; 1930, p. 163, pl. 14, fig. 20.

Tingis lasiocera [sic]: Matsumura 1931, p. 1203, fig.

Tingis lasiocera [sic]: Takeya 1933, p. 37, pl. 3, fig. 4, text fig. 4 [Japan;

Korea; *Serratura atriplicifolia*]; 1951a, p. 16.

TYPE: Unknown.

DISTRIBUTION: Japan; Korea.

HOST PLANT: *Serratura atriplicifolia*.

***Tingis leptochila* Horváth**

Tingis leptochila Horváth 1906a, p. 74 [Turkestan].

TYPE: Sex unknown; Turkestan, Russia; Hungarian Mus.

DISTRIBUTION: U.S.S.R. (Turkestan).

HOST PLANT: Unrecorded.

***Tingis neotropicalis* Monte**

Tingis neotropicalis Monte 1940e, p. 283 [Brazil; *Byrsonima*].—Silva 1956, p. 67.

TYPE: Holotype ♂; Agua Preta, Baía, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: *Byrsonima* sp.

***Tingis nyogana* Drake**

Tingis nyogana Drake 1955c, p. 106 [Cameroun].

TYPE: Holotype ♀; Case du Nyong, French Camerouns; Copenhagen Mus.

DISTRIBUTION: Cameroun.

HOST PLANT: Unrecorded.

†***Tingis obscura* Heer**

Tingis obscura Heer 1853, p. 74, pl. 13, fig. 15 [Yugoslavia].—Giebel 1856, p. 363.—Scudder 1891, p. 449 [Horizon: Mayencian (Tertiary)].—Drake and Ruhoff 1960a, p. 11.

TYPE: Sex undeterminable; fossil; Radoboj, Croatia; deposition unknown.

DISTRIBUTION: Fossil.

****Tingis perkensi* Drake**

Tingis perkensi Drake 1947c, p. 117 [Queensland].

TYPE: Holotype ♂, macropterous; National Park, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

****Tingis populi* Takeya**

Tingis populi Takeya 1932, p. 10, pl. 1, fig. 2 [Korea; Japan; Taiwan; *Populus*; *Salix*]; 1951a, p. 16 [*Populus tremula*; *Populus nigra*]; 1953a, p. 2.—Saitô 1933, p. 7 [*Salix koreensis*].—Drake and Maa 1953, p. 91.—Maa 1957, pp. 117, 131.

Nobarnus hoffmani Drake 1938b, p. 195 [China].

TYPE: Holotype ♂; Taikyû, Korea; Kyushu Univ.

DISTRIBUTION: Japan; China; Korea; Taiwan.

HOST PLANTS: *Populus nigra*; *Populus tremula*; *Populus* sp.; *Salix koreensis*; *Salix* sp.

****Tingis rotundicollis* (Jakovlev)**

Monanthia (Platychila) rotundicollis Jakovlev 1883, p. 105 [Dagestan].
Phyllontochila rotundicollis: Lethierry and Severin 1896, p. 17 [Caucasus].
Tingis rotundicollis: Horváth 1906a, p. 76 [Yugoslavia; Greece; Bulgaria; Rumania; Turkey]; 1916, p. 9.—Stichel 1926, p. 112; 1938a, p. 406 [Albania]; 1960a, p. 314.—Lindberg 1948, p. 59 [Cyprus].—Kiritshenko 1951, p. 250.—Mancini 1952, p. 13 [Italy]; 1953b, p. 186; 1953d, p. 16; 1956a, p. 192.—Seidenstücker 1954, p. 235.—Hoherlandt 1955, p. 90 [Transcaucasus].

TYPE: Holotype ♀, macropterous; Derbent, Dagestan, Russia; Leningrad Inst.

DISTRIBUTION: Italy; Greece; Cyprus; Bulgaria; Yugoslavia; Rumania; Albania; Turkey; U.S.S.R. (Caucasus; Transcaucasus; Dagestan).

HOST PLANT: Unrecorded.

****Tingis silvacata* Drake**

Tingis silvacata Drake 1926d, p. 83 [Brazil].—Monte 1938b, p. 127 [*Davilla rugosa*].

TYPE: Holotype ♀; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil.

HOST PLANT: *Davilla rugosa*.

***Tingis similis* (Douglas and Scott)**

Monanthia similis Douglas and Scott 1869, p. 259.—Walker 1873a, p. 187 [England].

Monanthia ampliata var. *similis*: Saunders 1875, p. 248.

Monanthia (Platychila) ampliata var. *similis*: Saunders 1892, p. 132.

Tingis similis: Horváth 1906a, p. 72.—Stichel 1938a, p. 406 [Austria]; 1960a, p. 311 [Czechoslovakia].

TYPE: Unknown.

DISTRIBUTION: England; Austria; Czechoslovakia.

HOST PLANT: Unrecorded.

NOTE: Douglas and Scott state "Two specimens taken by Mr. Wollaston, but the place and date of capture are not recorded."

***Tingis sinuaticollis* (Jakovlev)**

Monanthia (Platychila) sinuaticollis Jakovlev 1883, p. 103 [Dagestan].

Tingis sinuaticollis: Horváth 1906a, p. 71.—Kiritshenko 1951, p. 249.—Stichel 1960a, p. 311.

TYPE: Holotype ♀, macropterous; Derbent, Dagestan, Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R. (Dagestan).

HOST PLANT: Unrecorded.

***Tingis strictula** (Puton)

Monanthia (Platychila) strictula Puton 1878, p. lxvi [Algeria].

Monanthia striculata [sic]: Chicote 1880, p. 189 [Spain].

Lasiotropis strictula: Lethierry and Severin 1896, p. 18.

Tingis strictula: Horváth 1906a, p. 77.—Gomez-Menor 1955b, p. 248.—Stichel 1960a, p. 315.—Drake and Ruhoff 1962c, p. 134.

Tingis montana Lindberg 1932a, p. 42, pl. 2, fig. 5 [Spain].—Stichel 1960a, p. 315.

TYPE: Sex unknown; Oran, Algeria; Vienna Mus.

DISTRIBUTION: Algeria; Spain.

HOST PLANT: Unrecorded.

Tingis stupidula Horváth

Tingis stupidula Horváth 1906a, p. 77 [Syria].

TYPE: Holotype ♀; Baalbeck, Syria; Hungarian Mus.

DISTRIBUTION: Syria.

HOST PLANT: Unrecorded.

Tingis suavis (Horváth)

Phyllontocheila suavis Horváth 1902a, p. 595 [Turkmen].

Monanthia (Lasiotropis) longipennis Jakovlev 1903a, p. 3 [Transcopia].

Tingis suavis: Horváth 1906a, p. 78.

TYPE: Sex unknown; Beush-berma, Turcomania, Russia; Hungarian Mus.

DISTRIBUTION: U.S.S.R. (Turkmen; Transcopia).

HOST PLANT: Unrecorded.

Tingis tecomae Monte

Tingis tecomae Monte 1940b, p. 377 [Brazil; *Tecoma*].

TYPE: Holotype ♂; Belo Horizonte, Brazil; Monte Coll. (Mus. Nacional).

DISTRIBUTION: Brazil.

HOST PLANT: *Tecoma* sp.

***Tingis teretis** Drake

Tingis teretis Drake 1947c, p. 119 [South Australia].

TYPE: Holotype ♂, macropterous; Oldea, South Australia, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (South Australia).

HOST PLANT: Unrecorded.

***Tingis tonkinana** Drake

Tingis tonkinana Drake 1947d, p. 228 [Viet-Nam].

TYPE: Holotype ♂; Tonkin, Hoabinh, Indochina; Heude Mus.

DISTRIBUTION: Viet-Nam.

HOST PLANT: Unrecorded.

Tingis toxopeusi Drake

Tingis toxopeusi Drake 1960, p. 362, fig. 14 [New Guinea].

TYPE: Holotype ♀; Neth. Ind. American, New Guinea Expedition 1939, top camp, 2,100 m.; Leiden Mus.

DISTRIBUTION: New Guinea.

HOST PLANT: Unrecorded.

***Tingis veteris** Drake

Phyllontocheila ampliata (not Herrich-Schaeffer): Matsumura 1905, p. 33, pl. 19, fig. 11; 1908, p. 148, fig.; 1930, p. 158, pl. 14, fig. 11.

Tingis ampliata (not Herrich-Schaeffer): Matsumura 1931, p. 1203, fig.—Takeya 1951a, p. 16 (in part) [Japan; Siberia; *Cirsium*; *Carduus*].—Esaki 1954, p. 237, figs. 6, 13.

Tingis (*Tropidocheila*) *veteris* Drake 1942a, p. 13 [China].

Tingis veteris: Drake 1947d, p. 228 [Taiwan].—Takeya 1951a, p. 17.

TYPE: Holotype ♂, macropterous; Kianzu Province, China; Drake Coll. (USNM).

DISTRIBUTION: China; Japan; Taiwan; U.S.S.R. (Siberia).

HOST PLANTS: *Carduus* sp.; *Cirsium* sp.

†Tingis sp. Berendt

Tingis sp. Berendt 1845, p. 55 [fossil, amber].—Scudder 1891, p. 449 [Horizon: Ligurian].—Drake and Ruhoff 1960a, p. 11.

TYPE: Sex undeterminable; fossil in Prussian amber; deposition unknown.

DISTRIBUTION: Fossil.

†Tingis sp. Hope

Tingis sp. Hope 1847, p. 252 [France].—Scudder 1891, p. 449 [Horizon: Ligurian].—Drake and Ruhoff 1960a, p. 11.

TYPE: Sex undeterminable; fossil; Aix, France; deposition unknown.

DISTRIBUTION: Fossil.

†Tingis sp. Scudder

Tingis sp. Scudder 1881, p. 292 [Colo.]; 1891, p. 449 [Horizon: Oligocene].—Drake and Ruhoff 1960a, p. 11.

TYPE: Sex undeterminable; fossil; Florissant, Colorado, U.S.; deposition unknown.

DISTRIBUTION: Fossil.

†Tingis sp. Serres

Tingis sp. Serres 1829, p. 227 [France].—Scudder 1891, p. 449 [Horizon: Ligurian (Tertiary)].—Drake and Ruhoff 1960a, p. 11.

Phyllontocheila sp. Scudder 1890, p. 357.

TYPE: Sex undeterminable; fossil; Aix, France; deposition unknown.

DISTRIBUTION: Fossil.

Subgenus TINGIS (CAENOTINGIS) Drake

Tingis (Caenotingis) Drake 1928h, p. 283.—Drake and Ruhoff 1960a, p. 85.

TYPE SPECIES: *Tingis (Caenotingis) beasoni* Drake.

***Tingis (Caenotingis) beasoni Drake**

Tingis (Caenotingis) beasoni Drake 1928h, p. 283 [Burma; *Gmelina arborea*].—Singh 1953, p. 119.

Tingis beasoni: Drake and Poor 1936b, p. 146.—Mathur 1955, p. 248, figs. 1–6.

TYPE: Holotype ♂, macropterous; North Toungoo, Burma; Drake Coll. (USNM).

DISTRIBUTION: Burma.

HOST PLANT: *Gmelina arborea*.

Subgenus TINGIS (LASIOTROPIS) Stål

Lasiotropis Stål 1874, p. 55.—Lethierry and Severin 1896, p. 18.—Blöte 1945, p. 87.

Tingis (Lasiotropis): Horváth 1906a, p. 69.—Oshanin 1908, p. 429; 1912, p. 44.—Stichel 1926, pp. 110, 111 (key); 1935, p. 349; 1960a, p. 307.—de Seabra 1931, pp. 423, 425.—Börner 1935, p. 77.—Gulde 1938, pp. 286, 287, 288 (key).—China 1943, p. 247.—Priesner and Alfieri 1953, p. 64.—Drake and Ruhoff 1960a, p. 85.

TYPE SPECIES: *Monanthia (Platychila) trichonota* Puton.

Tingis (Lasiotropis) aetheria Drake and Ruhoff

Tingis (Lasiotropis) wollastoni China 1938, p. 20, fig. 3 [Madeira].

Tingis aetheria Drake and Ruhoff 1960c, p. 32.

TYPE: Sex unknown; Dezerta Grande, Madeira; British Mus.

DISTRIBUTION: Madeira Island.

HOST PLANT: Unrecorded.

***Tingis (Lasiotropis) ajugarum (Frey-Gessner)**

Monanthia ajugarum Frey-Gessner 1872, p. 22, pl. 1, fig. 4 [Switzerland].—d'Antessanty 1890, p. 32.—Horváth 1892b, p. 131.

Monanthia (Platychila) ragusana (not Fieber): Puton 1879c, p. 112 [France; *Ajuga chamaeelytis*; *Ajuga genevensis*].

Tingis (Lasiotropis) ajugarum: Horváth 1906a, p. 70 [Italy; Yugoslavia; Algeria].—Stichel 1926, p. 111; 1960a, p. 390 [Greece].—Ramade 1960, p. 221 [*Ajuga iva*].

Tingis ajugarum: Reuter 1908, p. 88.—Lindberg 1932a, p. 41 [Morocco].—Mancini 1949b, p. 36 [Sicily]; 1953d, p. 16.—Novak and Wagner 1951, p. 70.

TYPE: Switzerland; sex and deposition of type unknown.

DISTRIBUTION: Switzerland; France; Italy; Sicily; Greece; Yugoslavia; Algeria; Morocco.

HOST PLANTS: *Ajuga chamaeelytis*; *Ajuga genevensis*; *Ajuga iva*.

***Tingis (Lasiotropis) beieri** Drake

Tingis beieri Drake 1935, p. 11 [Paraguay; Brazil].—Monte 1937a, p. 33, fig. 14 [*Cordia*]; 1939b, p. 81 [*Croton*].—Drake and Hambleton 1938a, p. 64.—Singh 1953, p. 119.—Kormilev 1955a, p. 64 [Argentina; Bolivia].

TYPE: Holotype ♂; S. Bernardino, Paraguay; Vienna Mus.

DISTRIBUTION: Paraguay; Argentina; Brazil; Bolivia.

HOST PLANTS: *Cordia* sp.; *Croton* sp.

***Tingis (Lasiotropis) ciliaris** (Puton)

Monanthia (Platychila) ciliaris Puton 1879a, p. lix [Caucasus].

Monanthia (Platychila) balassogloi Jakovlev 1880b, p. 105.

Tingis (Lasiotropis) ciliaris: Horváth 1906a, p. 70 [Syria; Hungary; Greece; Turkey].—Oshanin 1908, p. 430 [Crimea].—Kiritshenko 1951, p. 249.—Seidenstücker 1954, p. 235.—Hoberlandt 1955, p. 89 [Transcaucasus].—Stichel 1960a, p. 309 [Bulgaria].

TYPE: Sex unknown; Caucasus, Russia; Paris Mus.

DISTRIBUTION: Bulgaria; Hungary; Greece; Syria; Turkey; U.S.S.R. (Caucasus; Crimea; Transcaucasus).

HOST PLANT: Unrecorded.

Tingis (Lasiotropis) denudata Horváth

Tingis denudata Horváth 1906a, p. 75 [Algeria; Egypt].

Tingis (Lasiotropis) denudata: Priesner and Alfieri 1953, p. 64.

TYPE: Unknown.

DISTRIBUTION: Algeria; Egypt.

HOST PLANT: Unrecorded.

***Tingis (Lasiotropis) hellenica** (Puton)

Monanthia hellenica Puton 1877, p. lxxviii [Greece].—Horváth 1889, p. 329 [Syria].

Phyllontochila hellenica: Reuter 1891a, p. 26.

Monanthia (Lasiotropis) corniculata Jakovlev 1903a, p. 3 [Crimea].

Tingis (Lasiotropis) hellenica: Horváth 1906a, p. 69 [Israel; Turkey; Crete; *Phlomis fruticosa*].—Kiritshenko 1951, p. 249.—Seidenstücker 1954, p. 235.—Hoberlandt 1955, p. 89.—Stichel 1960a, p. 308.

Tingis hellenica: Lindberg 1948, p. 58 [Cyprus; *Pistacia*; *Ceratonia*].

TYPE: Sex unknown; Corfu, Greece; Paris Mus.

DISTRIBUTION: Greece; Crete; Cyprus; Turkey; Syria; Israel; U.S.S.R. (Crimea).

HOST PLANTS: *Ceratonia* sp.; *Phlomis fruticosa*; *Pistacia* sp.

***Tingis (Lasiotropis) paranana** Drake

Tingis paranana Drake 1954d, p. 75 [Argentina].

TYPE: Holotype ♂; Parana, Entre Rios, Argentina; Hungarian Mus.

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

***Tingis (Lasiotropis) ragusana** (Fieber)

Monanthia ragusana Fieber 1861, p. 121 [Yugoslavia].—Garbiglietti 1896, p. 272.—Walker 1873a, p. 184.—Puton 1874a, p. 226.—Ferrari 1874, p. 170 [Italy]; 1878, p. 66.—Horváth 1881b, p. xxxiv [Hungary]; 1889, p. 329.—Rey 1893, p. 97.—Hüeber 1893, p. 336 [Austria].

Lasiotropis ragusana: Stål 1874, p. 55.

Monanthia ovatula Jakovlev 1877, p. 92 [Iran].

Tingis (Lasiotropis) ragusana: Horváth 1906a, p. 69, pl. 1, fig. 9 [Caucasus; Rumania; Greece; Germany; France; *Stachys italica*].—Stichel 1926, p. 111 [*Stachys*]; 1960a, p. 308 [Poland; Malta; *Verbascum phlomoides*].—González 1948, p. 50 [Spain].—Kiritshenko 1951, p. 249.—Hoberlandt 1952, p. 112 [Cyprus]; 1955, p. 88 [Transcaucasus].—Seidenstücker 1954, p. 235 [Turkey].

Tingis ragusana: Novak and Wagner 1951, p. 70 [*Stachys salviaefolia*].

TYPE: Sex unknown; Dalmatia; Vienna Mus.

DISTRIBUTION: Spain; France; Germany; Austria; Italy; Malta; Yugoslavia; Rumania; Greece; Cyprus; Hungary; Poland; Turkey; Iran; U.S.S.R. (Caucasus; Transcaucasus).

HOST PLANTS: *Stachys italica*; *Stachys salviaefolia*; *Stachys* sp.; *Verbascum phlomoides*.

***Tingis (Lasiotropis) reticulata** Herrich-Schaeffer

Tingis reticulata Herrich-Schaeffer 1835, p. 58.—Horváth 1916, p. 9 [Albania]; 1918, p. 334.—Scholte 1935, p. 61, fig. 14 [Netherlands].—Stichel 1938a, p. 406 [Poland].—Poisson 1938, p. 589 [*Psamma*].—Mancini 1953b, p. 186.—Bator 1953, p. 325, pl. 2, fig. 7.—Gomez-Menor 1955b, p. 248.—Štušák 1957a, p. 24, figs. 9–13; 1961a, p. 85, figs. 1, 5b.—Cobben 1958b, p. 16.—Southwood and Leston 1959, p. 148, fig. 47.

Monanthia reticulata: Herrich-Schaeffer 1836, p. 72, pl. 72, fig. 288 [Germany].—Douglas and Scott 1865, p. 250.—Horváth 1874b, p. 432.—Ferrari 1874, p. 170; 1878, p. 66.—Saunders 1875, p. 247.

Derephysia reticulata: Spinola 1837, p. 166 [Italy; France].

Tingis costata (not Fabricius): Schilling 1838, p. 105.

Monanthia (Phyllontocheila) ciliata Fieber 1844, p. 67, pl. 5, figs. 31–33 [Czechoslovakia; Austria; *Senecio jacobaea*; *Verbascum thapsus*].

Monanthia ciliata: Scholz 1847, p. 119.—Mayr 1858, p. 570 [Hungary; Ukraine; Greece].—Fieber 1861, p. 122.—Frey-Gessner 1865, p. 231 [Switzerland].—Garbiglietti 1869, p. 273.—Gredler 1870, p. 75.—Walker 1873a, p. 184.—Reiber and Puton 1876, p. 69.—Vollenhoven 1879, p. 230, pl. 12, fig. e.—Chicote 1880, p. 189 [Spain].—Jakovlev 1880b, p. 104.—Dubois 1888, p. 121.—d'Antessanty 1890, p. 32.—Hüeber 1893, p. 334.—Jensen-Haarup 1912, p. 155, fig. 98a [Denmark].—Butler 1923, p. 212 [Crimea; *Ajuga*].

Monanthia (Phyllontocheila) reticulata: Herrich-Schaeffer 1850, p. 154.
Campylosteira (Derephysia) reticulata: Kolenati 1856, p. 431 [Caucasus;
 Transcaucasus; *Cirsium*; *Verbascum*].

Lasiotropis ciliata: Stål 1874, p. 55.

Monanthia (Platycheila) ciliata: Puton 1879c, p. 113 [*Ajuga reptans*].—
 Saunders 1892, p. 133, pl. 12, fig. 7 [England].

Platycheila ciliata: Reuter 1885, p. 44.

Tingis (Lasiotropis) reticulata: Horváth 1906a, p. 70 [*Ajuga genevensis*].—
 Oshanin 1908, p. 430 [Belgium; Yugoslavia; Rumania].—Stichel
 1926, p. 111, fig. 300 [*Erica vulgaris*]; 1960a, p. 309, fig. 113 [Sweden;
 Bulgaria; *Calluna vulgaris*; *Salvia verticillata*].—Gulde 1938, p. 291,
 fig.—Hoberlandt 1942, p. 125; 1943a, p. 118; 1943b, p. 123.—
 Kiritshenko 1951, p. 249.—Stehlik 1952, p. 205.

Phyllonthecheila [sic] *ciliata*: Reichensperger 1920, p. 62.

Lasiotropis reticulata: Blöte 1945, p. 87 [Tunisia].

TYPE: Unknown.

DISTRIBUTION: England; France; Netherlands; Belgium; Spain; Italy;
 Switzerland; Czechoslovakia; Germany; Denmark; Sweden; Poland;
 Austria; Hungary; Albania; Bulgaria; Yugoslavia; Rumania; Greece;
 U.S.S.R. (Crimea; Ukraine; Caucasus; Transcaucasus); Tunisia.

HOST PLANTS: *Ajuga genevensis*; *Ajuga reptans*; *Ajuga* sp.; *Calluna vulgaris*;
Cirsium sp.; *Erica vulgaris*; *Erica* sp.; *Psamma* sp.; *Salvia verticillata*; *Senecio*
jacobaea; *Verbascum thapsus*; *Verbascum* sp.

NOTE: Description of species appears in Herrich-Schaeffer 1836. Eggs
 [Štušák].

**Tingis (Lasiotropis) rotundipennis* Horváth

Tingis rotundipennis Horváth 1911c, p. 108 [Egypt].

Tingis (Lasiotropis) rotundipennis: Priesner and Alfieri 1953, p. 64
 [*Echinops spinosa*].

TYPE: Lectotype ♀, macropterous; Materie, Egypt; USNM.

DISTRIBUTION: Egypt.

HOST PLANT: *Echinops spinosa*.

NOTE: Lectotype here designated.

**Tingis (Lasiotropis) shaowuana* Drake and Maa

Tingis (Lasiotropis) shaowuana Drake and Maa 1953, p. 91 [China].

TYPE: Holotype ♀, macropterous; Shaowu, Fukien, China; Drake Coll.
 (USNM).

DISTRIBUTION: China.

HOST PLANT: Unrecorded.

**Tingis (Lasiotropis) trichonota* (Puton)

Monanthia clavicornis (not Linnaeus): Burmeister 1835, p. 260 [Portugal].

Monanthia (Platycheila) trichonota Puton 1874a, p. 216 [France].

Lasiotropis trichonota: Stål 1874, p. 55.

Monanthia (Platycheila) trichonota: Puton 1879c, p. 112 [*Phlomis lychnitis*].
Tingis (Lasiotropis) trichonota: Horváth 1906a, p. 69.—Oshanin 1908, p. 429 [Greece].—de Seabra 1931, pp. 425, 444, figs. 495(2), 496.—González 1948, p. 50 [Spain].—Seidenstücker 1954, p. 235 [Turkey].—Stichel 1960a, p. 208.

Tingis trichonota: Stichel 1938a, p. 406 [Switzerland].

TYPE: Sex unknown; Avignon, France; Paris Mus.

DISTRIBUTION: Portugal; Spain; France; Switzerland; Greece; Turkey.

HOST PLANT: *Phlomis lychnitis*.

Subgenus TINGIS (TROPIDOICHEILA) Fieber

Monanthia (Tropidocheila) Fieber 1844, p. 72.

Monanthia (Tropidocheila): Puton 1879c, p. 114.

Tropidocheila: Lethierry and Severin 1896, p. 19.—Blöte 1945, p. 87.

Tingis (Tropidocheila): Horváth 1906a, p. 79.—Mužik 1907, p. 59.—Stichel 1926, pp. 111, 113; 1960a, p. 316.—de Seabra 1931, p. 427.—Drake and Ruhoff 1960a, p. 86.

Tingis (Tropidocheila): Oshanin 1908, p. 437; 1912, p. 44.—Börner 1935, p. 77.—Stichel 1935, p. 349.—Gulde 1938, pp. 288, 296 (key).—Priesner and Alfieri 1953, p. 64.

TYPE SPECIES: *Monanthia (Tropidocheila) stachydis* Fieber.

**Tingis (Tropidocheila) abundans* Drake and Hambleton

Tingis abundans Drake and Hambleton 1945, p. 357 [Peru].

TYPE: Holotype ♂, macropterous; Pucallpa, Peru; Drake Coll. (USNM).

DISTRIBUTION: Peru.

HOST PLANT: Unrecorded.

**Tingis (Tropidocheila) acris* Drake

Tingis (Tropidocheila) acris Drake 1947c, p. 117 [Queensland].

TYPE: Holotype ♂, macropterous; Benakin, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

**Tingis (Tropidocheila) aegyptiaca* Priesner

Tingis (Tropidocheila) aegyptiaca Priesner 1951, p. 138, fig. [Egypt].—Priesner and Alfieri 1953, p. 65.

TYPE: Holotype ♀; Arabian Desert, Wadi Nouega, Egypt; Alfieri Coll. (USNM).

DISTRIBUTION: Egypt.

HOST PLANT: Unrecorded.

***Tingis (Tropidocheila) bodenheimeri Lindberg**

Tingis bodenheimeri Lindberg 1930, p. 69, fig. 1 [Israel].

Tingis (Lasiotropis) bodenheimeri: Seidenstücker 1954, p. 235 [Turkey].

Tingis (Tropidocheila) bodenheimeri: Stichel 1960a, p. 319 [Syria].

TYPE: Sex unknown; Jerusalem, Palestine; Helsin. Mus.

DISTRIBUTION: Turkey; Israel; Syria.

HOST PLANT: Unrecorded.

Tingis (Tropidocheila) cappadocica Horváth

Tingis (Tropidocheila) cappadocica Horváth 1906a, p. 82 [Turkey].—

Hoberlandt 1955, p. 91.—Stichel 1960a, p. 319.

TYPE: Holotype ♀; Kaisarie, Asia Minor; Vienna Mus.

DISTRIBUTION: Turkey.

HOST PLANT: Unrecorded.

***Tingis (Tropidocheila) caucasica (Jakovlev)**

Monanthia (Tropidochila) caucasica Jakovlev 1880a, pp. 136, 137 [Dagestan]; 1880b, p. 107.

Tingis (Tropidocheila) caucasica: Horváth 1906a, p. 83 [Hungary; Yugoslavia; Crimea].—Stichel 1960a, p. 320.

Tingis (Tropidochila) caucasica: Kiritshenko 1951, p. 250.—Seidenstücker 1954, p. 235 [Turkey].

Tingis caucasica: Stichel 1938a, p. 406 [France; Albania].—Putshkov 1960, p. 304 [*Ajuga*].

Tingis (Tropidocheila) caucasica [sic]: Hoberlandt 1955, p. 91.

TYPE: Holotype ♀, macropterous; Derbent, Dagestan, Russia; Leningrad Inst.

DISTRIBUTION: France; Hungary; Yugoslavia; Albania; Turkey; U.S.S.R. (Dagestan; Crimea).

HOST PLANT: *Ajuga* sp.

***Tingis (Tropidocheila) gamboana Drake and Hambleton**

Tingis gamboana Drake and Hambleton 1945, p. 357 [Canal Zone; elm].

Tingis (Tropidocheila) gamboana: Hurd 1946, p. 465.

TYPE: Holotype ♀, macropterous; Gamboa, Panama Canal Zone; Drake Coll. (USNM).

DISTRIBUTION: Panama (Canal Zone).

HOST PLANT: Elm.

***Tingis (Tropidocheila) geniculata (Fieber)**

Monanthia (Tropidocheila) geniculata Fieber 1844, p. 75, pl. 6, figs. 19–21 [Hungary; Austria].—Herrich-Schaeffer 1850, p. 152.

Monanthia geniculata: Mayr 1858, p. 570.—Fieber 1861, p. 124 [Ukraine].—Garbiglietti 1869, p. 273 [Italy].—Walker 1873a, p. 185.—Horváth 1874b, p. 432.—Ferrari 1874, p. 170; 1878, p. 66.—Bolivar and Chicote 1879, p. 166 [Spain].—Jakovlev 1880b, p. 106 [Caucasus].—Puton 1886a, p. 5 [Tunisia].—d'Antessanty 1890, p. 32.—Hüeber 1893, p. 339.

Tingis geniculata: Stål 1874, p. 54.—Reuter 1908, p. 88 [*Abies alba*; *Juniperus communis*; *Populus*].—Novak and Wagner 1951, p. 71.—Mancini 1953d, p. 16 [Sicily].

Monanthia (Tropidochila) geniculata: Puton 1879c, p. 115.

Tropidochila geniculata: Reuter 1891a, p. 26 [Greece].—Lethierry and Severin 1896, p. 19 [Algeria].—Vidal 1937, p. 197 [Morocco].

Tingis (Tropidocheila) geniculata: Horváth 1906a, pp. 68, 83, pl. 1, fig. 7 [France; Germany; Yugoslavia; Rumania; Bulgaria; Turkey].—Mužik 1907, p. 60 [Czechoslovakia].—Stichel 1926, p. 113; 1960a, p. 321, fig. 121 [Sardinia; Poland].—Hoberlandt 1943b, p. 120; 1955, p. 91 [Transcaucasus].

Tingis (Tropidochila) geniculata: Börner 1935, p. 77, fig. 120b.—Kiritshenko 1951, p. 250.—Gomez-Menor 1955b, p. 248.

TYPE: Unknown.

DISTRIBUTION: Spain; France; Germany; Czechoslovakia; Austria; Hungary; Italy; Sicily; Sardinia; Yugoslavia; Rumania; Poland; Bulgaria; Greece; Turkey; U.S.S.R. (Ukraine; Caucasus; Transcaucasus); Tunisia; Algeria; Morocco.

HOST PLANTS: *Abies alba*; *Juniperus communis*; *Populus* sp.

**Tingis (Tropidocheila) granadensis* Horváth

Tingis (Tropidocheila) granadensis Horváth 1960a, p. 80 [Spain].—Stichel 1960a, p. 317.

Tingis granadensis: Lindberg 1932a, p. 42.—Wagner 1958, p. 240 [France; *Phlomis herba-venti*].

TYPE: Holotype ♀; Granada, Spain; Helsin. Mus.

DISTRIBUTION: Spain; France.

HOST PLANT: *Phlomis herba-venti*.

**Tingis (Tropidocheila) griseola* (Puton)

Monanthia (Tropidochila) geniculata var. *griseola* Puton 1879c, p. 116 [France; Corsica; Sardinia; Algeria].—Horváth 1892b, p. 131.

Tropidochila geniculata var. *griseola*: Reuter 1891a, p. 26 [Greece].

Tingis (Tropidocheila) griseola: Horváth 1906a, p. 84 [Yugoslavia; Italy; Majorca].—Moroder Sala 1920, p. 12 [Spain].—Stichel 1926, p. 113; 1960a, p. 321.

Tingis griseola: Novak and Wagner 1951, p. 71 [*Juniperus phoenicea*].—Mancini 1952, p. 13 [Sicily].

TYPE: Sex unknown; France; Paris Mus.

DISTRIBUTION: Spain; France; Corsica; Balearic Islands (Majorca); Sicily; Italy; Sardinia; Greece; Yugoslavia; Algeria.

HOST PLANT: *Juniperus phoenicea*.

Tingis (Tropidocheila) griseola var. **miscella** (Horváth)*Phyllontocheila miscella* Horváth 1902a, p. 598 [Sardinia; Sicily; Algeria].*Tingis (Tropidocheila) griseola* var. *miscella*: Horváth 1906a, p. 84.—Stichel 1926, p. 113; 1960a, p. 321.—Hoberlandt 1955, p. 91 [Turkey].*Tingis griseola* var. *miscella*: Novak and Wagner 1951, p. 71 [Yugoslavia].—Mancini 1953c, p. 22 [Italy].

TYPE: Unknown.

DISTRIBUTION: Italy; Sardinia; Sicily; Yugoslavia; Turkey; Algeria.

HOST PLANT: Unrecorded.

***Tingis (Tropidocheila) helvina** (Jakovlev)*Monanthia (Platycheila) helvina* Jakovlev 1876a, p. 111 [Siberia].*Phyllontochila helvina*: Lethierry and Severin 1896, p. 17.*Tingis (Tropidocheila) helvina*: Horváth 1906a, p. 85.

TYPE: Holotype ♀, macropterous; Ussuri, Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R. (Siberia).

HOST PLANT: Unrecorded.

***Tingis (Tropidocheila) insularis** (Horváth)*Phyllontocheila insularis* Horváth 1902a, p. 599 [Madeira].*Tingis (Tropidocheila) insularis*: Horváth 1906a, p. 84.—China 1938, p. 20.*Tingis (Tropidocheila) insularis*: Gomez-Menor 1955b, p. 248 [Spain].

TYPE: Holotype ♂; Madeira; Vienna Mus.

DISTRIBUTION: Madeira; Spain.

HOST PLANT: Unrecorded.

Tingis (Tropidocheila) juvenca (Horváth)*Phyllontocheila juvenca* Horváth 1902a, p. 598 [Algeria].*Tingis (Tropidocheila) juvenca*: Horváth 1906a, p. 83 [Spain].—Stichel 1960a, p. 320.*Tingis (Tropidocheila) juvenca*: Gomez-Menor 1955b, p. 248.

TYPE: Holotype ♀; Algeria; Hungarian Mus.

DISTRIBUTION: Algeria; Spain.

HOST PLANT: Unrecorded.

Tingis (Tropidocheila) kirinana Drake*Tingis (Tropidocheila) kirinana* Drake 1948a, p. 1, fig. 1 [China].

TYPE: Holotype ♀; Kao-lin-tze, Kirin Province, Manchuria; Heude Mus.

DISTRIBUTION: China.

HOST PLANT: Unrecorded.

***Tingis (Tropidocheila) liturata** (Fieber)*Monanthia (Tropidocheila) liturata* Fieber 1844, p. 74, pl. 6, figs. 16–18 [Spain].—Herrich-Schaeffer 1850, p. 152.*Monanthia liturata*: Fieber 1861, p. 123.—Walker 1873a, p. 185.—Bolivar and Chicote 1879, p. 166.

Tingis liturata: Stål 1874, p. 54.—Lindberg 1932a, p. 42.

Monanthia (Tropidochila) liturata: Puton 1879c, p. 116 [France].

Tropidochila liturata: Lethierry and Severin 1896, p. 19 [Algeria].—Vidal 1937, p. 197.—Blöte 1945, p. 87 [Egypt].

Tingis (Tropidocheila) liturata: Horváth 1906a, p. 84 [Portugal; Sicily; Tunisia; Mauritania].—Stichel 1960a, p. 322, fig. 124 [Libya].

Tingis (Tropidochila) liturata: Oshanin 1908, p. 441 [Morocco].—Priesner and Alfieri 1953, p. 65.

TYPE: Andalusia; sex and deposition of type unknown.

DISTRIBUTION: Portugal; Spain; France; Sicily; Italy; Algeria; Tunisia; Mauritania; Morocco; Libya; Egypt.

HOST PLANT: Unrecorded.

**Tingis (Tropidocheila) marrubii* Vallot

Tingis marrubii Vallot 1829, p. 98 [*Marrubium vulgare*].

Monanthia kiesewetteri Mulsant and Rey 1852a, p. 135 [France]; 1852b, p. 154.—Fieber 1861, p. 383.—Walker 1873a, p. 187.—Bolívar and Chicote 1879, p. 166.—Jakovlev 1893, p. 294 [Russia].

Monanthia villosa Costa 1855a, p. 11; 1855b, p. 233.—Puton 1874a, p. 277.—Stichel 1960d, p. 120.

Lasiotropis kiesewetteri: Stål 1874, p. 56.

Lasiotropis kiesewetteri [sic]: Sahlberg 1878, p. 21 [Italy; Spain; Siberia].

Monanthia (Tropidochila) kiesewetteri: Puton 1879c, p. 115 [*Carduus*; *Marrubium*].

Tropidochila kiesewetteri: Lethierry and Severin 1896, p. 19 [Caucasus].—Vidal 1937, p. 197.—Blöte 1945, p. 87 [Greece].

Tingis (Tropidocheila) kiesewetteri: Horváth 1906a, p. 81 [Hungary; Rumania; Turkey; Turkestan; Algeria].—Moroder Sala 1920, p. 12.—Stichel 1926, p. 113; 1960a, p. 318 [Bulgaria].—Hoberlandt 1955, p. 90.

Tingis kiesewetteri: Horváth 1906d, p. 2.—Lindberg 1932a, p. 42 [Morocco].—Novak and Wagner 1951, p. 71 [Yugoslavia].—Mancini 1960b, p. 114.

Tingis (Tropidochila) kiesewetteri: Gulde 1938, p. 299 [Germany].—Gomez-Menor 1955b, p. 248.

Tingis (Tropidocheila) marrubii: Drake and Ruhoff 1960c, p. 32.

TYPE: Unknown.

DISTRIBUTION: Spain; France; Germany; Italy; Hungary; Rumania; Yugoslavia; Bulgaria; Greece; Turkey; U.S.S.R. (Caucasus; Turkestan; Siberia); Algeria; Morocco.

HOST PLANTS: *Carduus* sp.; *Marrubium vulgare*; *Marrubium* sp.

***Tingis (Tropidocheila) muiri** Drake

Tingis (Tropidocheila) muiri Drake 1947c, p. 116 [Queensland].

TYPE: Holotype ♂, macropterous; Coolangata, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Tingis (Tropidocheila) oliveirai** Drake and Hambleton

Tingis oliveirai Drake and Hambleton 1938a, p. 64 [Brazil].

TYPE: Holotype ♂, macropterous; Curvello, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Tingis (Tropidocheila) pauperata** (Puton)

Monanthia kiesewetteri var. *pauperata* Puton 1879b, p. 297 [Caucasus].

Monanthia (Tropidocheila) kiesewetteri var. *pauperata*: Puton 1879c, p. 115.

Monanthia (Tropidocheila) angustipennis Jakovlev 1880b, p. 107.

Tingis (Tropidocheila) pauperata: Horváth 1906a, p. 81 [Armenia; Spain; France; Albania; Rumania].—Stichel 1960a, p. 318 [Italy; Yugoslavia; Turkey; Turkestan].

Tingis (Tropidocheila) pauperata: Kiritshenko 1913b, p. 482; 1951, p. 250.—Gomez-Menor 1955b, p. 248.

Tingis pauperata: Horváth 1916, p. 9.—Mancini 1953b, p. 186.—Putshkov 1960, p. 312 [*Phlomis pungens*].

Tropidocheila pauperata: Vidal 1937, p. 197 [Morocco].

TYPE: Sex unknown; Caucasus, Russia; Paris Mus.

DISTRIBUTION: Italy; France; Spain; Yugoslavia; Rumania; Albania; Turkey; U.S.S.R. (Turkestan; Caucasus; Armenia); Morocco.

HOST PLANT: *Phlomis pungens*.

***Tingis (Tropidocheila) pilosa** Hummel

Tingis pilosa Hummel 1825, p. 69 [Russia].—Reuter 1885, p. 44.—Lindberg 1932a, p. 42 [Morocco]; 1934, p. 29 [China].—Scholte 1935, p. 62, fig. 17 [Netherlands].—Stichel 1938a, p. 406 [Portugal; Yugoslavia; Bulgaria; Poland].—Bator 1953, p. 326, pl. 4, fig. 4.

Monanthia angusticollis Herrich-Schaeffer 1836, p. 72, fig. 289 [Germany].—d'Antessanty 1890, p. 32.—Hüeber 1893, p. 340.

Tingis cardui (not Linnaeus): Schilling 1838, p. 105.

Derephysia angusticollis: Herrich-Schaeffer 1838, p. 71.

Monanthia (Tropidocheila) pilosa: Fieber 1844, p. 79, pl. 6, figs. 36–37 [Czechoslovakia; Austria].

Monanthia (Tropidocheila) angusticollis: Herrich-Schaeffer 1850, p. 152.

Monanthia pilosa: Mayr 1858, p. 571 [Hungary].—Fieber 1861, p. 122 [France].—Frey-Gessner 1865, p. 231 [Switzerland; *Stachys sylvatica*; *Galeopsis tetrahit*].—Garbiglietti 1869, p. 273 [Italy].—Gredler 1870, p. 75.—Horváth 1874a, p. 432.—Reiber and Puton 1876, p. 69.

Lasiotropis pilosa: Stål 1874, p. 55.

Monanthia (Tropidochila) angusticollis: Puton 1879c, p. 114 [*Leonurus cardiaca*; *Lappa minor*; *Ballota nigra*].

Monanthia (Tropidochila) pilosa: Jakovlev 1880a, p. 136.

Tropidochila angusticollis: Reuter 1885, p. 44; 1891b, p. 184.

Tingis (Tropidocheila) pilosa: Horváth 1906a, pp. 66, 79 [Siberia; Turkestan; Caucasus; Turkey].—Stichel 1926, p. 113 [*Humulus*; *Crepis tectorum*; *Senecio*]; 1960a, p. 316 [Greece].—Hoberlandt 1943a, p. 119; 1943b, p. 124; 1955, p. 91 [Transcaucasus; Turkmen].

Tingis (Tropidochila) pilosa: Oshanin 1908, p. 437 [Belgium; Rumania].—Wu 1935, p. 450.—Gulde 1938, p. 297, fig.—González 1948, p. 50 [Spain].—Kiritschenko 1951, p. 250.

Phyllonthecheila [sic] angusticollis: Reichensperger 1920, p. 62.

TYPE: Russia; sex and deposition of type unknown.

DISTRIBUTION: Portugal; Spain; France; Netherlands; Belgium; Germany; Poland; Czechoslovakia; Switzerland; Austria; Italy; Hungary; Rumania; Yugoslavia; Bulgaria; Greece; Turkey; U.S.S.R. (Caucasus; Transcaucasus; Turkestan; Turkmen; Siberia); Morocco; China.

HOST PLANTS: *Ballota nigra*; *Crepis tectorum*; *Galeopsis tetrahit*; *Lappa minor*; *Leonurus cardiaca*; *Humulus* sp.; *Senecio* sp.; *Stachys sylvatica*.

**Tingis (Tropidocheila) pilosa* var. *amplicosta* (Montandon)

Lasiotropis amplicosta Montandon 1897, p. 100 [Algeria].

Tingis (Tropidocheila) pilosa var. *amplicosta*: Horváth 1906a, p. 80.—de Seabra 1931, p. 427, figs. 499, 495 (4–6) [Portugal; *Ballota nigra*; *Galeopsis tetrahit*; *Lappa minor*; *Leonurus cardiaca*; *Stachys sylvatica*].—Stichel 1960a, p. 317.

TYPE: Sex unknown; Tenient-el-Haad, Algeria; Bucharest Mus.

DISTRIBUTION: Algeria; Portugal.

HOST PLANTS: *Ballota nigra*; *Galeopsis tetrahit*; *Lappa minor*; *Leonurus cardiaca*; *Stachys sylvatica*.

**Tingis (Tropidocheila) pilosa* var. *antennalis* (Puton)

Monanthia kiesenwetteri var. *antennalis* Puton 1879b, p. 297 [Russia].

Monanthia (Tropidochila) kiesenwetteri var. *antennalis*: Puton 1879c, p. 115.

Monanthia (Tropidochila) tenuicornis Jakovlev 1880a, p. 136.

Phyllonthecheila antennalis: Horváth 1898b, p. 279.

Tingis (Tropidocheila) pilosa var. *antennalis*: Horváth 1906a, p. 80 [Turkestan; Siberia; Mongolia].—Stichel 1960a, p. 317.

Tingis (Tropidochila) pilosa var. *antennalis*: Wu 1935, p. 450.

TYPE: Sex unknown; Sarepta, Russia; Paris Mus.

DISTRIBUTION: Mongolia Republic; U.S.S.R. (Turkestan; Siberia).

HOST PLANT: Unrecorded.

***Tingis (*Tropidocheila*) pusilla** (Jakovlev)

Monanthia pusilla Jakovlev 1874a, pp. 10, 33 [Russia].

Tingis (*Tropidocheila*) *pusilla*: Horváth 1906a, p. 83.—Seidenstücker 1954, p. 235 [Turkey].—Stichel 1960a, p. 319.

Tingis (*Tropidochila*) *pusilla*: Kiritshenko 1951, p. 250.

TYPE: Holotype ♀; Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R.; Turkey.

HOST PLANT: Unrecorded.

Tingis (*Tropidocheila*) reuteri Horváth

Tingis (*Tropidocheila*) *reuteri* Horváth 1906a, p. 81 [Turkmen].—Hoberlandt 1955, p. 91 [Turkey].—Stichel 1960a, p. 318.

TYPE: Holotype ♂; Ashkhabad, Turkmen, Russia; Helsin. Mus.

DISTRIBUTION: U.S.S.R. (Turkmen); Turkey.

HOST PLANT: Unrecorded.

***Tingis (*Tropidocheila*) saueri** Drake and Hambleton

Tingis saueri Drake and Hambleton 1939, p. 156 [Brazil].

TYPE: Holotype ♂, macropterous; Recife, Pernambuco, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

Tingis (*Tropidocheila*) stachydis (Fieber)

Monanthia maculata Herrich-Schaeffer 1838, pp. 51, 56, pl. 123, figs. 389a-c [Germany].—Ferrari 1884, p. 475 [Tunisia].—Puton 1886a, p. 12.—d'Antessanty 1890, p. 32.—Rey 1893, p. 97.—Hüeber 1893, p. 339.

Monanthia (*Tropidocheila*) *stachydis* Fieber 1844, p. 73, pl. 6, figs. 13–15 [Austria; Czechoslovakia; *Stachys recta*].

Monanthia (*Tropidocheila*) *maculata*: Herrich-Schaeffer 1850, p. 152.

Monanthia stachydis: Fieber 1861, p. 123.—Frey-Gessner 1865, p. 232 [Switzerland].—Garbiglietti 1869, p. 273 [Italy].—Walker 1873a, p. 185.—Horváth 1874b, p. 432.—Jakovlev 1876b, p. 67 [Russia].—Reiber and Puton 1876, p. 69.—Bolivar and Chicote 1879, p. 166 [Spain].

Tingis maculata: Walker 1873a, p. 179.—Horváth 1874b, p. 432 [Hungary].—Putshkov 1960, p. 304 [*Sideritis*].

Tingis stachydis: Stål 1874, p. 54.—Drake and Ruhoff 1962c, p. 135.

Monanthia stahidis [sic]: Ferrari 1878, p. 66.

Monanthia (*Tropidochila*) *maculata*: Puton 1879c, p. 116 [France].

Tingis (*Tropidocheila*) *maculata*: Horváth 1906a, pp. 69, 84.—Stichel 1926, p. 113 [*Teucrium chamaedrys*]; 1960a, p. 322 [Sicily; Poland; *Stachys annua*].

Phyllonthecheila [sic] *maculata*: Reichensperger 1920, p. 62.

Tingis (Tropidocheila) maculata: Börner 1935, p. 77, fig. 120a.—Kiritshenko 1951, p. 251.

TYPE: Sex unknown; Regensburg, Germany; Munich Mus.

DISTRIBUTION: Spain; France; Sicily; Italy; Switzerland; Germany; Czechoslovakia; Poland; Austria; Hungary; U.S.S.R.; Tunisia (?).

HOST PLANTS: *Sideritis* sp.; *Stachys annua*; *Stachys recta*; *Stachys* sp.; *Teucrium chamaedrys*.

NOTE: See Horváth 1906a re Tunisia distribution.

**Tingis (Tropidocheila) torpida* (Horváth)

Tropidocheila geniculata var. Reuter 1900, p. 187.

Phyllontocheila geniculata var. *torpida* Horváth 1902a, p. 597 [Algeria; Tunisia; Morocco].

Tingis (Tropidocheila) torpida: Horváth 1906a, p. 83 [Spain; Mauritania].—Moroder Sala 1920, p. 12.—Stichel 1960a, p. 320 [France].

Tropidocheila torpida: Blöte 1945, p. 88 [Sardinia].

TYPE: Unknown.

DISTRIBUTION: Spain; Sardinia; Morocco; Tunisia; Algeria; Mauritania.

HOST PLANT: Unrecorded.

Tingis (Tropidocheila) valida (Puton)

Monanthia (Lasiotropis) valida Puton 1878, p. lxviii [Syria].

Tingis (Tropidocheila) valida: Horváth 1906a, p. 79 [Turkey; Lebanon; Iran].—Stichel 1960a, p. 316 [Turkestan].

Tingis (Tingis) valida: Hoberlandt 1955, p. 90.

TYPE: Sex unknown; Syria; Vienna Mus.

DISTRIBUTION: Syria; Lebanon; Iran; Turkey; U.S.S.R. (Turkestan).

HOST PLANT: Unrecorded.

Tingis (Tropidocheila) valida var. *biseriata* (Horváth)

Phyllontocheila valida var. *biseriata* Horváth 1902a, p. 600 [Turkestan].

Tingis (Tropidocheila) valida var. *biseriata*: Horváth 1906a, p. 79.—Stichel 1960a, p. 316.

TYPE: Holotype ♀; Varzaminor, Turkestan, Russia; Hungarian Mus.

DISTRIBUTION: U.S.S.R. (Turkestan).

HOST PLANT: Unrecorded.

Tingis (Tropidocheila) valida var. *discessa* (Horváth)

Phyllontocheila valida var. *discessa* Horváth 1902a, p. 600 [Turkestan].

Tingis (Tropidocheila) valida var. *discessa*: Horváth 1906a, p. 79.—Stichel 1960a, p. 316.

TYPE: Holotype ♀; Varzaminor, Turkestan, Russia; Hungarian Mus.

DISTRIBUTION: U.S.S.R. (Turkestan).

HOST PLANT: Unrecorded.

Genus TRACHYPEPLUS Horváth

Trachypeplus Horváth 1926, p. 329.—Drake and Ruhoff 1960a, p. 86.

TYPE SPECIES: *Trachypeplus jacobsoni* Horváth.

***Trachypeplus bakeri** Drake

Trachypeplus bakeri Drake 1927d, p. 308 [Mindanao].—Drake and Poor 1937a, p. 12.

TYPE: Holotype ♂, macropterous; Iligan, Mindanao, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Mindanao).

HOST PLANT: Unrecorded.

***Trachypeplus chinensis** Drake and Poor

Trachypeplus chinensis Drake and Poor 1936a, p. 440 [Hainan; Hong Kong].—Drake 1937b, p. 593; 1938b, p. 195; 1947d, p. 229, fig. [Viet-Nam]; 1947g, no. 69, fig. (color).

TYPE: Holotype ♂, macropterous; Liamui, Hainan Island; Drake Coll. (USNM).

DISTRIBUTION: China (Hainan Island); Viet-Nam; Hong Kong.

HOST PLANT: Unrecorded.

***Trachypeplus guinaicus** Drake

Trachypeplus guinaicus Drake 1960, p. 350 [New Guinea].

TYPE: Holotype ♀; Asama, Morobe, Northeast New Guinea; Drake Coll. (USNM).

DISTRIBUTION: New Guinea (Northeast).

HOST PLANT: Unrecorded.

***Trachypeplus idoneus** Drake and Ruhoff

Trachypeplus idoneus Drake and Ruhoff 1962d, p. 491 [Sumatra].

TYPE: Holotype ♀, macropterous; Medan, Sumatra; Drake Coll. (USNM).

DISTRIBUTION: Greater Sunda Islands (Sumatra).

HOST PLANT: Unrecorded.

***Trachypeplus jacobsoni** Horváth

Trachypeplus jacobsoni Horváth 1926, p. 330, fig. 3 [Sumatra; *Mallotus philippinensis*].—Drake and Poor 1936b, p. 144 [India].—Blöte 1945, p. 92.—Singh 1953, p. 119.

TYPE: Fort de Kock, Sumatra; sex and deposition of type unknown.

DISTRIBUTION: Greater Sunda Islands (Sumatra); India.

HOST PLANT: *Mallotus philippinensis*.

***Trachypeplus malloti** Drake and Poor

Trachypeplus malloti Drake and Poor 1936b, p. 144 [India; *Mallotus philippinensis*].

TYPE: Holotype ♂, macropterous; Dehra Dun, India; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: *Mallotus philippinensis*.

Genus UHLERITES Drake

Uhlerites Drake 1927a, p. 56; 1948b, p. 56.—Drake and Ruhoff 1960a, p. 87.

TYPE SPECIES: *Phyllontocheila debile* Uhler.

***Uhlerites debilis** (Uhler)

Phyllontochila debile Uhler 1896, p. 265 [Japan].—Matsumura 1931, p. 1202, fig.

Stephanitis (Norba) x-nigrum Lindberg 1927, p. 15, pl. 1, fig. 3 [Siberia].

Uhlerites debile: Drake 1927a, p. 56; 1948b, p. 56 [China].—Takeya 1951a, p. 14 [Taiwan]; 1953d, p. 173.

Uhlerites debilis: Takeya 1931, p. 78, pl. 7, fig. 5; pl. 9, fig. 7 [*Quercus serrata*; *Quercus glandulifera*; *Quercus dentata*]; 1932, p. 10 [Korea].—Esaki 1932, p. 1636, fig.; 1954, p. 237, fig. 612.—Saitô 1933, p. 7 [*Quercus acutissima*].—Kato 1933, pl. 31, fig. 1.—Fukui 1938, pl. 50, tab. 36.

TYPE: Holotype ♀, macropterous; Japan; USNM.

DISTRIBUTION: Japan; China; Taiwan; Korea; U.S.S.R. (Siberia).

HOST PLANTS: *Quercus acutissima*; *Quercus dentata*; *Quercus glandulifera*; *Quercus serrata*.

***Uhlerites latius** Takeya

Uhlerites latiorus Takeya 1931, p. 80, pl. 9, figs. 8–10 [Japan].

Uhlerites latius (emended): Drake 1948b, p. 56 [China].—Takeya 1951a, p. 14.

TYPE: Sex unknown; Honghû, Prov. Harima, Japan; Kyushu Univ.

DISTRIBUTION: Japan; China.

HOST PLANT: Unrecorded.

Genus ULOCYSTA Drake and Hambleton

Ulocysta Drake and Hambleton 1945, p. 364.—Drake and Ruhoff 1960a, p. 87.

TYPE SPECIES: *Ulocysta praestabilis* Drake and Hambleton.

***Ulocysta praestabilis** Drake and Hambleton

Ulocysta praestabilis Drake and Hambleton 1945, p. 365 [Colombia].

TYPE: Holotype ♀, macropterous; San José, Colombia; Drake Coll. (USNM).

DISTRIBUTION: Colombia.

HOST PLANT: Unrecorded.

Genus ULONEMIA Drake and Poor

Perissonemia (Ulonemia) Drake and Poor 1937a, p. 3.

Ulonemia: Drake 1942b, p. 359.—Drake and Ruhoff 1960a, p. 87.

TYPE SPECIES: *Perissonemia (Ulonemia) dignata* Drake and Poor.

Ulonemia aptata Drake

Ulonemia aptata Drake 1960, p. 351, fig. 8 [New Guinea].

TYPE: Holotype ♀; Nondugl, Northeast New Guinea; Bishop Mus.

DISTRIBUTION: New Guinea (Northeast).

HOST PLANT: Unrecorded.

***Ulonemia assamensis** (Distant)

Teleonemia assamensis Distant 1903a, p. 49 [India]; 1903b, p. 143, fig. 106.—Drake 1937b, p. 592 [China].

Perissonemia assamensis: Drake and Poor 1936a, p. 439 [Hainan; Taiwan].

Perissonemia (Ulonemia) assamensis: Takeya 1951a, p. 18.

Ulonemia assamensis: Drake and Ruhoff 1960c, p. 29.

TYPE: Sex unknown; Margherita, Assam, India; British Mus.

DISTRIBUTION: India; Taiwan; China (Hainan Island); Greater Sunda Islands (Borneo).

HOST PLANT: Unrecorded.

***Ulonemia concava** Drake

Ulonemia concava Drake 1942b, p. 359 [Queensland].

TYPE: Holotype ♂, macropterous; Cedar Creek, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

***Ulonemia decoris** Drake

Ulonemia decoris Drake 1942b, p. 360 [Queensland; South Australia].

TYPE: Holotype ♂, macropterous; Mount Glorious, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland; South Australia).

HOST PLANT: Unrecorded.

***Ulonemia dignata** (Drake and Poor)

Perissonemia (Ulonemia) dignata Drake and Poor 1937a, p. 3 [Luzon; Mindanao].

Ulonemia dignata: Drake and Ruhoff 1960c, p. 29.

TYPE: Holotype ♂, macropterous; Baguio, Benguet Subprovince, Luzon, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Luzon; Mindanao).

HOST PLANT: Unrecorded.

***Ulonemia electa** (Drake and Poor)

Perissonemia (Ulonemia) electa Drake and Poor 1937a, p. 5 [Luzon].

Ulonemia electa: Drake and Ruhoff 1960c, p. 29.

TYPE: Holotype ♂, macropterous; Baguio, Benguet Subprovince, Luzon, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Luzon).

HOST PLANT: Unrecorded.

****Ulonemia leai* Drake**

Ulonemia leai Drake 1942b, p. 360 [Australia].

TYPE: Holotype ♀, macropterous; Cairns District, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia.

HOST PLANT: Unrecorded.

****Ulonemia malacca* (Drake)**

Perissonemia malacca Drake 1942a, p. 3 [Malaya].

Ulonemia malacca: Drake and Ruhoff 1960c, p. 29.

TYPE: Holotype ♀, macropterous; Malacca, Perak, Federated Malay States; Drake Coll. (USNM).

DISTRIBUTION: Federation of Malaya.

HOST PLANT: Unrecorded.

****Ulonemia mjobergi* (Horváth)**

Tingis (Tingis) mjobergi Horváth 1925a, p. 5 [Australia].

Tingis myobergi [sic]: Drake 1947c, p. 114, fig. 24b.

Ulonemia mjobergi: Drake and Ruhoff 1960c, p. 29; 1961b, p. 139, fig. 12.—Drake 1961b, p. 112 [New South Wales].

TYPE: Sex unknown; Australia occidentalis; Stockholm Mus.

DISTRIBUTION: Australia (New South Wales; Western Australia).

HOST PLANT: Unrecorded.

****Ulonemia plesia* Drake and Ruhoff**

Ulonemia plesia Drake and Ruhoff 1961b, p. 138 [Western Australia].

TYPE: Holotype ♀, macropterous; Swan River, Western Australia, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Western Australia).

HOST PLANT: Unrecorded.

***Genus* ULOTINGIS Drake and Hambleton**

Ulotingis Drake and Hambleton 1935, p. 144.—Monte 1939b, p. 82; 1941e, p. 148.—Drake and Ruhoff 1960a, p. 87.

TYPE SPECIES: *Acysta brasiliensis* Drake.

****Ulotingis brasiliensis* (Drake)**

Acysta brasiliensis Drake 1922b, p. 42 [Brazil].

Ulotingis brasiliensis: Drake and Hambleton 1935, p. 145; 1938a, p. 64 [*Psidium guajava*].—Silva 1956, p. 67.

TYPE: Holotype ♂, macropterous; Para, Brazil; USNM.

DISTRIBUTION: Brazil.

HOST PLANT: *Psidium guajava*.

**Ulotingis decor* Drake and Hambleton

Ulotingis decor Drake and Hambleton 1935, p. 145 [Brazil; Myrtaceae].

TYPE: Holotype ♂, macropterous; Santo Amaro, São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Myrtaceae.

**Ulotingis nitor* Drake and Hambleton (emendation)

Ulotingis nitoris Drake and Hambleton 1935, p. 145, fig. 2 [Brazil; Myrtaceae].

TYPE: Holotype ♂, macropterous; São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Myrtaceae.

**Ulotingis uniseriata* (Drake)

Acysta brasiliensis var. *uniseriata* Drake 1922c, p. 368, pl. 39, fig. 10 [Brazil].

Acysta uniseriata: Drake and Bondar 1932, p. 91 [*Byrsonima sericea*].—Costa Lima 1936, p. 125.—Monte 1937a, p. 35, fig. 13 [*Byrsonima verbascifolia*].

Ulotingis uniseriata: Drake and Hambleton 1935, p. 145; 1938a, p. 65.—Silva 1956, p. 68, fig. 29.

TYPE: Holotype ♀; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil.

HOST PLANTS: *Byrsonima sericea*; *Byrsonima verbascifolia*.

Genus URENTIUS Distant

Urentius Distant 1903b, p. 134.—Bergroth 1911, p. 186; 1914b, p. 183.—Priesner and Alferi 1953, p. 63 (key).—Stichel 1960a, p. 298; 1960b, p. 394; 1960c, p. 133.—Drake and Ruhoff 1960a, p. 88.

Ayrerus Distant 1903b, p. 140.—Horváth 1909b, p. 632.—Drake and Ruhoff 1960a, p. 38.

Prionostirina Schumacher 1913, p. 457.—Drake and Ruhoff 1960a, p. 79.

TYPE SPECIES: *Urentius echinus* Distant = *Tingis hystricellus* Richter.

**Urentius chobauti* Horváth

Urentius chobauti Horváth 1907, p. 304 [France; Spain; *Cistus albidus*].—Oshanin 1908, p. 457; 1912, p. 43.—Stichel 1935, p. 349; 1938a, p. 406; 1960a, p. 298.

TYPE: Unknown.

DISTRIBUTION: France; Spain.

HOST PLANT: *Cistus albidus*.

***Urentius euonymus** Distant

Urentius euonymus Distant 1909a, p. 116 [Ceylon]; 1910a, p. 114, fig. 57.—Drake and Ruhoff 1962a, p. 156; 1962c, p. 133.

Prionostirina nana Schumacher 1913, p. 458 [Israel].

Urentius nanus: Bergroth 1914b, p. 183.—Hoberlandt 1955, p. 88 [Turkey; Syria].—Stichel 1960a, p. 299.

Urentius hoggari Bergevin 1928, p. 336, fig. 1 [Algeria; *Helianthemum lippii*].—Stichel 1960a, p. 299.

Urentius maculatus Drake 1933, p. 1015 [India].

Urentius abutilinus Priesner and Alfieri 1953, p. 63 [Egypt; *Abutilon muticum*].—Stichel 1960a, p. 299 [*Abutilon pannosum*].

TYPE: Sex unknown; Batticaloa, Ceylon; British Mus.

DISTRIBUTION: Ceylon; India; Israel; Syria; Turkey; Egypt; Sudan; Algeria.

HOST PLANTS: *Abutilon muticum*; *Abutilon pannosum*; *Abutilon* sp.; *Cajanus indicus*; *Helianthemum lippii*; *Sida cordifolia*.

Urentius euphorbiae Menon and Hakk (nom. nud.)

Urentius euphorbiae Menon and Hakk 1959b, p. 393.

***Urentius hystricellus** (Richter)

Tingis hystricellus Richter 1869, p. 84, fig. 55 [Ceylon].—Green 1882, p. 161.

Ayrenus hystricellus: Distant 1903b, p. 141, fig. 104 [*Solanum melongena*].

Urentius echinus Distant 1903b, p. 134, fig. 97.—Maxwell-Lefroy 1909, p. 693 [India].—Fletcher 1920, p. 263.—Singh 1953, p. 120.—Drake 1954a, p. 232 [Niger].—Patel and Kulkarny 1955, pp. 86–96, pls. 1, 2.—Thontadarya and Channa Basavanna 1959, p. 289.—Drake and Davis 1960, fig. 32.

Urentius olivaceus Distant 1909a, p. 115; 1910a, p. 112.

Urentius sentis Distant 1909a, p. 115; 1910a, p. 113, fig. 56.

Urentius aegyptiacus Bergevin 1930, p. 18, fig. [Egypt].—Priesner and Alfieri 1953, p. 63.—Stichel 1960a, p. 299.

Urentius hystricellus: Drake and Ruhoff 1960a, p. 89; 1962a, p. 156; 1962c, p. 133.

TYPE: Holotype ♀; Ceylon; deposition unknown.

DISTRIBUTION: Ceylon; India; Niger; Egypt; Kenya; Sudan; Senegal; Uganda; Southern Rhodesia.

HOST PLANT: *Solanum melongena*.

NOTE: (1) Taken at port-of-entry, Washington, D.C. on leaves of egg-plant; (2) notes on egg laying [Thontadarya and Channa Basavanna]; (3) life history study [Patel and Kulkarny].

Urentius indicus Menon and Hakk (nom. nud.)

Urentius indicus Menon and Hakk 1959b, p. 393.

Urentius pusaensis Menon and Hakk (nom. nud.)

Urentius pusaensis Menon and Hakk 1959b, p. 393.

Urentius sarinae Hacker

Urentius sarinae Hacker 1929, p. 325, pl. 32, fig. 3 [Queensland].

TYPE: Sex unknown; Sarina, Queensland, Australia; Queensland Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

Urentius sidae Menon and Hakk (nom. nud.)

Urentius sidae Menon and Hakk 1959b, p. 393.

***Urentius veptris** Drake

Urentius veptris Drake 1945, p. 100 [Transvaal; *Hermannia micropetela*].

TYPE: Holotype ♂; Commando Nek, Pretoria, Transvaal; British Mus.

DISTRIBUTION: South Africa (Transvaal).

HOST PLANT: *Hermannia micropetela*.

Urentius zizyphifolius Menon and Hakk (nom. nud.)

Urentius zizyphifolius Menon and Hakk 1959b, p. 393.

Genus VATIGA Drake and Hambleton

Vatiga Drake and Hambleton 1946a, p. 10.—Hurd 1946, p. 466.—

Drake and Ruhoff 1960a, p. 88.

TYPE SPECIES: *Vatiga vicosana* Drake and Hambleton.

***Vatiga cassiae** (Drake and Hambleton)

Tigava cassiae Drake and Hambleton 1934, p. 440 [Brazil; *Cassia*].—

Costa Lima 1936, p. 130.—Monte 1941e, p. 144.

Vatiga cassiae: Drake and Hambleton 1946a, p. 10.

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Cassia* sp.

***Vatiga celebrata** (Drake)

Leptopharsa celebratis Drake 1928a, p. 53 [Brazil].—Monte 1941e, p. 109.

Vatiga celebratis: Drake and Ruhoff 1960c, p. 29.

TYPE: Holotype ♂, macropterous; Rio Grande do Sul, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

***Vatiga illudens** (Drake)

FIGURE 3

Atheas nigricornis (not Champion): Van Duzee 1907, p. 22.

Leptopharsa illudens Drake 1922c, p. 370 [Puerto Rico; Jamaica; Dominican Republic]; 1930b, p. 25 [Brazil].—Wolcott 1923, p. 246 [*Manihot*].—Drake and Bruner 1924a, p. 148 [Haiti; Cuba; *Manihot utilissima*].—Barber 1939, p. 370.—Monte 1941e, p. 113; 1942d, p. 108.—Bruner, Scaramuzza, and Otero 1945, p. 109 [*Manihot esculenta*].—Gomez-Menor 1956a, p. 112.

Atheas pallidus Barber 1923, p. 6.

Vatiga illudens: Drake and Hambleton 1946a, p. 10.—Silva 1956, p. 69 [*Manihot dulcis*].—Drake and Cobben 1960, p. 85, figs. 84a, b [St. Eustatius].

TYPE: Holotype ♀, macropterous; Mandeville, Jamaica; Drake Coll. (USNM).

DISTRIBUTION: Cuba; Haiti; Dominican Republic; Jamaica; Puerto Rico; Leeward Islands (St. Eustatius); Brazil.

HOST PLANTS: *Manihot dulcis*; *Manihot esculenta*; *Manihot utilissima*; *Manihot* sp.

**Vatiga illudens* var. *varianta* (Drake)

Leptopharsa illudens var. *variantis* Drake 1930b, p. 25 [Brazil].—Monte 1940b, p. 378; 1941e, p. 113 [*Manihot dulcis*].

Vatiga illudens var. *variantis*: Drake and Hambleton 1946a, p. 10.—Silva 1956, p. 70.

TYPE: Holotype ♂, macropterous; Bahia, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Manihot dulcis*.

**Vatiga lonchocarpa* (Drake and Hambleton)

Tigava lonchocarpa Drake and Hambleton 1944b, p. 125 [Brazil; *Lonchocarpus*].

Vatiga lonchocarpa: Drake and Hambleton 1946a, p. 10.

TYPE: Holotype ♀, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: *Lonchocarpus* sp.

**Vatiga longula* (Drake)

Leptopharsa longula Drake 1922c, p. 371, pl. 39, fig. 4 [Brazil].—Costa Lima 1936, p. 129.—Monte 1937a, p. 35; 1939b, p. 74 [*Bauhinia*; *Manihot utilissima*]; 1941e, p. 114.

Vatiga longula: Drake and Hambleton 1946a, p. 10.

TYPE: Holotype ♀; Chapada, Brazil; Carnegie Mus.

DISTRIBUTION: Brazil.

HOST PLANTS: *Bauhinia* sp.; *Manihot utilissima*.

**Vatiga manihotae* (Drake)

Leptopharsa manihotae Drake 1922c, p. 371 [Trinidad; *Manihot*].—Drake and Bruner 1924a, p. 148.—Drake and Hambleton 1934, p. 445 [Brazil; *Manihot utilissima*].—Costa Lima 1936, p. 129.—Monte 1937a, p. 35, fig. 4; 1939b, p. 74 [Cuba]; 1941e, p. 115.

Vatiga manihotae: Drake and Hambleton 1946a, p. 10.

TYPE: Holotype ♀, macropterous; Trinidad, BWI; USNM.

DISTRIBUTION: Trinidad; Cuba; Brazil; Peru; Paraguay; Argentina.

HOST PLANTS: *Manihot utilissima*; *Manihot* sp.

****Vatiga pauxilla*** (Drake and Poor)

Leptopharsa pauxilla Drake and Poor 1939a, p. 32 [Argentina].

Vatiga pauxilla: Drake and Ruhoff 1960c, p. 29.

TYPE: Holotype ♀, macropterous; Empedrado, Corrientes, Argentina; Drake Coll. (USNM).

DISTRIBUTION: Argentina.

HOST PLANT: Unrecorded.

****Vatiga sesoris*** (Drake and Hambleton)

Tigava sesoris Drake and Hambleton 1942b, p. 77 [Brazil].

Vatiga sesoris: Drake and Hambleton 1946a, p. 10.

TYPE: Holotype ♂, macropterous; São Paulo, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

****Vatiga variana*** Drake and Hambleton

Vatiga variana Drake and Hambleton 1946a, p. 11 [Brazil].

TYPE: Holotype ♀, macropterous; Rio Grande do Sul, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

****Vatiga vicosana*** Drake and Hambleton

Vatiga vicosana Drake and Hambleton 1946a, p. 10 [Brazil].

TYPE: Holotype ♂, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil.

HOST PLANT: Unrecorded.

Genus XENOTINGIS Drake

Xenotingis Drake 1923a, p. 105; 1927a, p. 57.—Drake and Ruhoff 1960a, p. 88.

TYPE SPECIES: *Xenotingis horni* Drake.

****Xenotingis bakeri*** Drake

Xenotingis bakeri Drake 1927a, p. 57 [Luzon].

TYPE: Holotype ♂, macropterous; Los Baños, Phillipine Islands; Drake Coll. (USNM).

DISTRIBUTION: Phillipine Islands (Luzon).

HOST PLANT: Unrecorded.

Xenotingis horni Drake

Xenotingis horni Drake 1923a, p. 105, fig. 1 [Taiwan]; 1927a, pp. 57, 58.—Esaki 1926, p. 163.—Takeya 1951a, p. 21.

TYPE: Holotype ♀; Kosempo, Formosa, Japan; Horn Coll.

DISTRIBUTION: Taiwan.

HOST PLANT: Unrecorded.

***Xenotingis luzonana** Drake

Xenotingis luzonana Drake 1954f, p. 8 [Luzon].

TYPE: Holotype ♀, macropterous; Mount Makiling, Luzon, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Luzon).

HOST PLANT: Unrecorded.

***Xenotingis malkini** Drake

Xenotingis malkini Drake 1948e, p. 149 [New Guinea]; 1960, p. 378.

TYPE: Holotype ♂, macropterous; Hollandia, Dutch New Guinea; USNM.

DISTRIBUTION: New Guinea (Netherlands).

HOST PLANT: Unrecorded.

***Xenotingis papuana** Drake

Xenotingis papuana Drake 1954f, p. 9 [Papua]; 1960, p. 379, fig. 27 [New Guinea].

TYPE: Holotype ♂; Kokoda, Papua; British Mus.

DISTRIBUTION: New Guinea (Papua; Northeast).

HOST PLANT: Unrecorded.

NOTE: Taken at light [Drake 1960].

Genus XYNOTINGIS Drake

Xynotingis Drake 1948a, p. 8.—Drake and Ruhoff 1960a, p. 88.

TYPE SPECIES: *Xynotingis hoytona* Drake.

***Xynotingis hoytona** Drake

Xynotingis hoytona Drake 1948a, p. 8, fig. 3 [Japan].—Takeya 1951a, p. 19; 1953d, p. 173, pl. 6, fig. 3.—Drake and Maa 1953, p. 95.

TYPE: Holotype ♀, macropterous; Japan; Drake Coll. (USNM).

DISTRIBUTION: Japan.

HOST PLANT: Unrecorded.

Genus ZATINGIS Drake

Zatingis Drake 1928a, p. 44.—Drake and Ruhoff 1960a, p. 88.

TYPE SPECIES: *Zatingis extraria* Drake.

***Zatingis extraria** Drake

Zatingis extraria Drake 1928a, p. 45 [Paraguay]; 1935, p. 16.

TYPE: Holotype ♂, macropterous; S. Bernardino, Paraguay; Drake Coll. (USNM).

DISTRIBUTION: Paraguay.

HOST PLANT: Unrecorded.

Genus ZEIRATINGIS Drake and Ruhoff

Zeiratingis Drake and Ruhoff 1961b, p. 173.

TYPE SPECIES: *Zeiratingis peirosa* Drake and Ruhoff.

***Zeiratingis dissita** Drake and Ruhoff

Zeiratingis dissita Drake and Ruhoff 1961b, p. 174 [Borneo].

TYPE: Holotype ♂, macropterous; Sandakan, Borneo; Drake Coll. (USNM).

DISTRIBUTION: Greater Sunda Islands (Borneo).

HOST PLANT: Unrecorded.

***Zeiratingis peirosa** Drake and Ruhoff

Zeiratingis peirosa Drake and Ruhoff 1961b, p. 173, figs. 18a, b [Viet-Nam].

TYPE: Holotype ♀, macropterous; Tonkin, Viet-Nam; Drake Coll. (USNM).

DISTRIBUTION: Viet-Nam.

HOST PLANT: Unrecorded.

Genus ZELOTINGIS Drake and Hambleton

Zelotising Drake and Hambleton 1946a, p. 9.—Drake and Ruhoff 1960a, p. 89.

TYPE SPECIES: *Stenocysta aspidospermae* Drake and Hambleton.

***Zelotising aspidospermae** (Drake and Hambleton)

Stenocysta aspidospermae Drake and Hambleton 1934, p. 444 [Brazil; *Aspidosperma melanocalyx*].—Costa Lima 1936, p. 130.—Monte 1937a, p. 33; 1939b, p. 78; 1941e, p. 132.

Zelotising aspidospermae: Drake and Hambleton 1946a, p. 10 [Paraguay].

TYPE: Holotype ♀, macropterous; Viçosa, Minas Gerais, Brazil; Drake Coll. (USNM).

DISTRIBUTION: Brazil; Paraguay.

HOST PLANT: *Aspidosperma melanocalyx*.

Genus ZOROTINGIS Drake and Ruhoff

Zorotising Drake and Ruhoff 1961b, p. 168.

TYPE SPECIES: *Zorotising scitula* Drake and Ruhoff.

***Zorotising scitula** Drake and Ruhoff

Zorotising scitula Drake and Ruhoff 1961b, p. 169, fig. 15 [Mindanao].

TYPE: Holotype ♀, macropterous; Davao, Mindanao, Philippines; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Mindanao).

HOST PLANT: Unrecorded.

Tribe YPSOTINGINI, new tribe

TYPE GENUS: *Ypsotising* Drake.

Genus BISKRIA Puton

Dictyonota (*Biskria*) Puton 1874c, p. 440.

Biskria: Lethierry and Severin 1896, p. 10.—Horváth 1906a, pp. 13, 34 (key).—Oshanin 1908, p. 413; 1912, p. 43.—Kiritshenko 1951, pp. 240, 245 (key).—Drake and Ruhoff 1960a, p. 40.—Stichel 1960a, p. 282 (key); 1960b, p. 392; 1960c, p. 131.

TYPE SPECIES: *Dictyonota* (*Biskria*) *gracilicornis* Puton.

****Biskria gracilicornis*** (Puton)

Dictyonota (*Biskria*) *gracilicornis* Puton 1874c, p. 440 [Algeria].—Lethierry and Puton 1876, p. 32.

Biskria gracilicornis: Horváth 1906a, p. 35.—Stichel 1960a, p. 282.

TYPE: Sex unknown; *Biskria*, Algeria; Paris Mus.

DISTRIBUTION: Algeria; French Somaliland (Djibouti).

HOST PLANT: Unrecorded.

Biskria hispanica Gomez-Menor

Biskria hispanica Gomez-Menor 1955b, p. 250, figs. 1–2 [Spain].—Stichel 1960a, p. 283, figs. 66, 67.

TYPE: Sex unknown; El Escorial, Madrid, Spain; Inst. Ent. Madrid.

DISTRIBUTION: Spain.

HOST PLANT: Unrecorded.

Biskria horvathi Kiritshenko

Biscia [sic] *horvathi* Kiritshenko 1913a, p. 413 [Turkestan].

TYPE: Holotype ♂, macropterous; Termez, Turkestan, Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R. (Turkestan).

HOST PLANT: Unrecorded.

Biskria lepida Horváth

Biskria lepida Horváth 1905b, p. 562 [Tunisia]; 1906a, p. 35.—Stichel 1960a, p. 283.

TYPE: Holotype ♀; Feriana, Tunisia; Hungarian Mus.

DISTRIBUTION: Tunisia.

HOST PLANT: Unrecorded.

Biskria sareptana (Jakovlev)

Dictyonota sareptana Jakovlev 1876b, p. 67, pl. 2, fig. 7 [Russia].

Scraulia sareptana: Lethierry and Severin 1896, p. 8.

Biskria sareptana: Horváth 1906a, p. 35.—Kiritshenko 1951, p. 245.—Stichel 1960a, p. 283.

TYPE: Holotype ♂, macropterous; Sarepta, Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R.

HOST PLANT: Unrecorded.

Biskria sareptana var. **adelpha** Horváth

Biskria sareptana var. *adelpha* Horváth 1905b, p. 563 [Russia]; 1906a, p. 35.—Kiritshenko 1951, p. 245.—Stichel 1960a, p. 283.

TYPE: Sex unknown; Theodosia, Tauria, Russia; Hungarian Mus.

DISTRIBUTION: U.S.S.R. (Tauria).

HOST PLANT: Unrecorded.

Genus CHOROTINGIS Drake

Chorotingis Drake 1961b, p. 111.

TYPE SPECIES: *Chorotingis indigena* Drake.

Chorotingis indigena Drake

PLATE 51

Chorotingis indigena Drake 1961b, p. 111, pl. 6 [Queensland].

TYPE: Holotype ♂; Saint George's Sound, Queensland, Australia; Austr. Mus.

DISTRIBUTION: Australia (Queensland).

HOST PLANT: Unrecorded.

Genus DEREPHYSIA Spinola

Derephysia Spinola 1837, p. 166.—Fieber 1844, p. 99; 1861, p. 128.—Douglas and Scott 1865, p. 253.—Stål 1874, p. 48.—Vollenhoven 1878, p. 283.—Lethierry and Severin 1896, p. 10.—Horváth 1906a, pp. 13, 45 (key).—Oshanin 1908, p. 419; 1912, p. 43.—Stichel 1926, pp. 104, 108 (key); 1935, p. 348; 1938a, p. 404; 1960a, p. 290 (key); 1960b, p. 393; 1960c, p. 132.—Börner 1935, pp. 73, 76 (key).—China 1943, p. 246.—Kiritshenko 1951, pp. 241, 246 (key).—Drake and Ruhoff 1960a, p. 50.

TYPE SPECIES: *Tingis foliacea* Fallén.

Derephysia brevicornis Reuter

Derephysia brevicornis Reuter 1888, p. 224 [Greece]; 1891a, p. 25.—Horváth 1906a, p. 46.—Stichel 1960a, p. 290.

TYPE: Sex unknown; Greece; Helsin. Mus.

DISTRIBUTION: Greece.

HOST PLANT: Unrecorded.

***Derephysia cristata** (Panzer)

Tingis cristata Panzer 1806, heft 99, tab. 19 [Germany].—Lamarek 1816, p. 504.—Le Peletier and Serville 1828, p. 653.—Brullé 1835, p. 338, pl. 25, fig. 5 [France].—Burmeister 1835, p. 259.—Herrich-Schaeffer 1835, p. 58; 1838, p. 70, pl. 130, figs. i-l.—Blanchard 1840, p. 112.

Galeatus cristata: Westwood 1840b, p. 121 [England].

Derephysia cristata: Fieber 1844, p. 100, pl. 8, figs. 28–33 [Czechoslovakia; Austria]; 1861, p. 128.—Scholz 1847, p. 121.—Herrich-Schaeffer 1850, p. 161.—Jakovlev 1874a, p. 10 [Russia].—Puton 1879c, p.

104.—Reuter 1891b, p. 184.—Hüeber 1893, p. 319.—Horváth 1906a, pp. 46, 47 [Hungary; Siberia; *Artemisia campestris*].—Mužik 1907, p. 56.—Stichel 1926, p. 109; 1938a, p. 406 [Poland]; 1960a, p. 292, fig. 84.—Scholte 1935, p. 31 [Netherlands].—Gulde 1938, p. 269.—Hoberlandt 1942, p. 125.—Kiritshenko 1951, p. 246.

Tingis (Derephysia) cristata: Flor 1860, p. 362 [Estonia; Latvia].

TYPE: Sex unknown; Mannheim, Germany; Berlin Mus.

DISTRIBUTION: Germany; Czechoslovakia; Austria; Hungary; Poland; Netherlands; France; England; U.S.S.R. (Estonia; Latvia; Siberia).

HOST PLANT: *Artemisia campestris*.

****Derephysia foliacea* (Fallén)**

Tingis foliacea Fallén 1807, p. 39 [*Chrysanthemum leucanthemum*]; 1829, p. 149.—Herrich-Schaeffer 1830, heft 118, tab. 18 [Germany]; 1835, p. 58; 1838, p. 70, pl. 129, fig. d; pl. 130, figs. m, n.

Derephysia foliacea: Spinola 1837, p. 116.—Fieber 1844, p. 99, pl. 8, figs. 23–27 [Sweden; Czechoslovakia; Italy; Austria; *Artemisia campestris*]; 1861, p. 128 [*Statice armeria*].—Sahlberg 1848, p. 135 [Finland].—Herrich-Schaeffer 1850, p. 161.—Costa 1855a, p. 11; 1855b, p. 233.—Mayr 1858, p. 572.—Frey-Gessner 1865, p. 232 [Switzerland].—Douglas and Scott 1865, p. 254, pl. 9, fig. 4.—Garbiglietti 1869, p. 275.—Gredler 1870, p. 76.—Jakovlev 1874a, p. 10 [Russia]; 1880b, p. 101; 1893, p. 294.—Siebke 1874, p. 23 [Norway].—Saunders 1875, p. 250; 1892, p. 130, pl. 12, fig. 4 [ivy; moss].—Reiber and Puton 1876, p. 68.—Vollenhoven 1878, p. 284, pl. 10, figs. 4, 4a [Netherlands].—Puton 1879c, p. 104.—Reuter 1882b, p. 117.—d'Antessanty 1890, p. 31.—Hüeber 1893, p. 317.—Horváth 1906a, pp. 45, 46 [Turkey; Turkestan; Siberia; *Thymus serpyllus*]; 1906d, p. 2.—Mužik 1907, p. 56.—Oshanin 1908, p. 419 [Algeria].—Jensen-Haarup 1912, p. 154, fig. 97 [Denmark].—Schumacher 1914, p. 257.—Lindberg 1919, p. 42; 1927, p. 15.—Reichensperger 1920, p. 61.—Sahlberg 1920, p. 82.—Buder 1923, p. 208 [ash; *Chenopodium*; Wales; Scotland; Ireland].—Stichel 1926, p. 108, fig. 299 [*Echium*; *Quercus*]; 1938a, p. 406 [Poland]; 1960a, p. 291, fig. 82 [Bulgaria; *Armeria vulgaris*; *Echium vulgare*; *Artemisia vulgaris*; *Hedera helix*; *Lonicera*; *Vaccinium myrtillus*; *Juncus*; *Carex*].—de Seabra 1931, p. 418, figs. 490, 491 [Portugal].—Börner 1935, p. 76, fig. 114.—Scholte 1935, p. 30, fig. 5 [*Plantago media*].—Gulde 1938, p. 268, fig. [*Thymus*].—Hoberlandt 1942, p. 125; 1943a, p. 118; 1943b, p. 123; 1955, p. 87.—Blöte 1945, p. 82 [Belgium; Tunisia; Yugoslavia].—Kiritshenko 1951, p. 246.—Novak and Wagner 1951, p. 70 [*Cydonia vulgaris*].—Stehlik 1952, p. 205.—Mancini 1953b, p. 186 [Albania]; 1953d, p. 16.—Štušák 1957b, pp. 136, 140, figs. 5, 13c [*Climacium dendroides*]; 1961a, p. 79, figs. 6, 16.—Southwood and Leston 1959, p. 146, pl. 18, fig. 3.

Campylosteira (Derephysia) foliacea: Kolenati 1856, p. 432 [*Artemisia*; Caucasus].

Tingis (Derephysia) foliacea: Flor 1860, p. 364 [France; England; Estonia; Latvia].

TYPE: Unknown.

DISTRIBUTION: England; Wales; Scotland; Ireland; Belgium; Netherlands; France; Portugal; Italy; Switzerland; Czechoslovakia; Germany; Austria; Poland; Sweden; Norway; Denmark; Finland; U.S.S.R. (Estonia; Latvia; Caucasus; Turkestan; Siberia); Albania; Bulgaria; Yugoslavia; Turkey; Algeria; Tunisia.

HOST PLANTS: *Armeria vulgaris*; *Artemisia campestris*; *Artemisia vulgaris*; *Artemisia* sp.; *Carex* sp.; *Chenopodium* sp.; *Chrysanthemum leucanthemum*; *Climacium dendroides*; *Cydonia vulgaris*; *Echium vulgare*; *Echium* sp.; *Hedera helix*; *Juncus* sp.; *Lonicera* sp.; *Plantago media*; *Quercus* sp.; *Statice ameria*; *Thymus serpyllus*; *Thymus* sp.; *Vaccinium myrtillus*; moss; ivy; ash.

NOTE: Eggs [Štušák].

***Derephysia foliacea* var. *biroi* Horváth**

Derephysia foliacea var. *biroi* Horváth 1896, p. 326 [Yugoslavia]; 1906a, p. 47 [Hungary].

TYPE: Holotype ♀; Croatia; Hungarian Mus.

DISTRIBUTION: Yugoslavia; Hungary.

HOST PLANT: Unrecorded.

****Derephysia gardneri* Drake and Poor**

Derephysia gardneri Drake and Poor 1936b, p. 148 [India].

TYPE: Holotype ♀, macropterous; Chakrata District, Bodyar, India; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

***Derephysia lugens* Horváth**

Derephysia lugens Horváth 1902a, p. 593 [Yugoslavia]; 1906a, p. 47 [Bulgaria].—Stichel 1938a, p. 406 [Albania]; 1960a, p. 291.—Mancini 1953b, p. 186.

TYPE: Holotype ♂; Vranja, Serbia; Hungarian Mus.

DISTRIBUTION: Yugoslavia; Albania; Bulgaria.

HOST PLANT: Unrecorded.

***Derephysia nigricosta* Horváth**

Derephysia nigricosta Horváth 1905a, p. 272 [Spain]; 1906a, p. 47.—Ribaut 1937, p. 247 [France].—Stichel 1960a, p. 292.

Derephysia nigricostata [sic]: González 1948, p. 50.

TYPE: Sex unknown; Spain; Hungarian Mus.

DISTRIBUTION: Spain; Portugal; France.

HOST PLANT: Unrecorded.

***Derephysia rectinervis* Puton**

Derephysia rectinervis Puton (in Puton and Lethierry 1887, p. 304) [Algeria].—Horváth 1906a, p. 47.—Stichel 1960a, p. 291.

TYPE: Sex unknown; Mecheria, Algeria; Paris Mus.

DISTRIBUTION: Algeria.

HOST PLANT: Unrecorded.

***Derephysia sinuatocollis* Puton**

Derephysia foliacea var. *sinuatocollis* Puton 1879c, p. 104 [France].—Chicote 1880, p. 189 [Spain].

Derephysia sinuatocollis: Horváth 1906a, p. 46.—Stichel 1960a, p. 290 [Italy].

TYPE: Sex unknown; Hautes-Pyrenees, France; Paris Mus.

DISTRIBUTION: France; Spain; Italy.

HOST PLANT: Unrecorded.

Genus DICTYONOTA Curtis

Dictyonota Curtis 1827, tab. 154.—Laporte 1833, p. 50.—Fieber 1844, p. 91; 1861, p. 126.—Douglas and Scott 1865, p. 255.—Garbiglietti 1869, p. 274.—Walker 1873a, p. 177.—Stål 1874, p. 49.—Horváth 1874b, p. 432; 1906a, pp. 13, 36 (key).—Oshanin 1908, p. 413; 1912, p. 43.—Schumacher 1914, p. 257.—Parshley 1923b, p. 699.—Stichel 1926, pp. 103, 107 (key); 1935, p. 348; 1938a, p. 404; 1960a, p. 284 (key); 1960b, p. 392; 1960c, p. 131.—de Seabra 1931, pp. 406, 413 (key).—Scholte 1935, p. 21 (key).—Börner 1935, pp. 73, 75 (key).—Gulde 1938, p. 262.—China 1943, p. 246.—Blöte 1945, p. 81.—Hurd 1946, p. 461.—Kiritschenko 1951, pp. 240, 245 (key).—Singer 1952, p. 49.—Mancini 1953d, p. 15; 1954b, p. 11.—Gomez-Menor 1955b, p. 248.—Drake and Ruhoff 1960a, p. 51.

Scraulia Stål 1874, p. 50.—Lethierry and Severin 1896, p. 8 (in part).—Kirkaldy 1900, p. 241.—Drake and Ruhoff 1960a, p. 81.

TYPE SPECIES: *Dictyonota strichnocera* Fieber.

Subgenus DICTYONOTA (DICTYONOTA) Curtis

Dictyonota Curtis 1827, tab. 154.

Scraulia Stål 1874, p. 50.

Dictyonota (*Dictyonota*): Horváth 1906a, p. 36.—Oshanin 1908, p. 413; 1912, p. 43.—Drake and Ruhoff 1960a, p. 51.

TYPE SPECIES: *Dictyonota strichnocera* Fieber.

****Dictyonota albipennis* von Baerensprung**

Dictyonota albipennis von Baerensprung 1858, p. 207, pl. 2, fig. 12 [Italy].—Fieber 1861, p. 127.—Puton 1874a, p. 227; 1879c, p. 102 (in part) [France; Corsica]; 1886a, p. 5 [Tunisia].—Chicote 1880, p. 189 [Spain].—Horváth 1906a, p. 39.—Lindberg 1932a, p. 41 [Morocco; *Genista anglica*].

Scraulia albipennis: Lethierry and Severin 1896, p. 8 (in part).

TYPE: Sex unknown; Piedmont, Italy; Berlin Mus.

DISTRIBUTION: Italy; Corsica; France; Spain; Morocco; Tunisia.

HOST PLANT: *Genista anglica*.

**Dictyonota fuliginosa* Costa

Dictyonota [sic] *fuliginosa* Costa 1855a, p. 10, pl. 6, fig. 5; 1855b, p. 232.—Stichel 1960d, p. 120.

Dictyonota fuliginosa: Costa 1863, pl. 1, fig. 6.—Garbiglietti 1869, p. 275 [Italy].—Puton 1874a, p. 227; 1879c, p. 101 [Corsica].—Saunders 1875, p. 251; 1892, p. 129, pl. 12, fig. 3 [broom].—Reiber and Puton 1876, p. 68.—Ferrari 1878, p. 84.—Chicote 1880, p. 189 [Spain].—Hüeber 1893, p. 316.—Horváth 1906a, p. 40 [Belgium; Netherlands; *Spartium scoparium*]; 1906d, p. 2.—Schumacher 1914, p. 257 [*Sarothamus*].—Reichensperger 1920, p. 61.—Butler 1923, p. 207.—Stichel 1926, p. 108; 1960a, p. 286, fig. 73 [Czechoslovakia].—de Seabra 1931, p. 416, figs. 486(1), 488 [Portugal].—Scholte 1935, p. 23, fig. 2.—González 1948, p. 49.—Seidenstücker 1954, p. 235 [Turkey].—Masseé 1954, p. 260.—Southwood and Leston 1959, p. 145.—Scudder 1960, p. 22 [B.C.].

Dictyonota fieberi Fieber 1861, p. 127 [France].—Frey-Gessner 1865, p. 232 [Switzerland].—Douglas and Scott 1868, p. 245, pl. 2, fig. 2 [England].—Walker 1873a, p. 177 [Germany].

Scraulia fieberi: Stål 1874, p. 50.

TYPE: Unknown.

DISTRIBUTION: England; Netherlands; Belgium; France; Spain; Portugal; Corsica; Italy; Switzerland; Czechoslovakia; Germany; Turkey; Canada (B.C.).

HOST PLANTS: *Sarothamus* sp.; *Spartium scoparium*; broom.

NOTE: *Dictyonota fieberi* was a manuscript name of Förster used by Fieber (1861) thus giving Fieber the credit for the species. Species recently introduced in Canada.

**Dictyonota marmorea* von Baerensprung

Dictyonota marmorea von Baerensprung 1858, p. 206, pl. 2, fig. 11 [Spain].—Fieber 1861, p. 127.—Puton 1874a, p. 227; 1879c, p. 102 [France; Corsica].—Ferrari 1878, p. 84.—Horváth 1906a, p. 40.—Lindberg 1932a, p. 41 [Morocco].

Scraulia marmorea: Stål 1874, p. 50.

TYPE: Sex unknown; Andalusia; Berlin Mus.

DISTRIBUTION: Spain; France; Corsica; Morocco.

HOST PLANT: Unrecorded.

***Dictyonota mitoris** Drake and Hsiung

Dictyonota mitoris Drake and Hsiung 1936, p. 287 [China; ash].

TYPE: Holotype ♂, macropterous; Tientsin, China; Drake Coll. (USNM).

DISTRIBUTION: China.

HOST PLANT: Chinese ash.

***Dictyonota pakistana** Drake and Maldonado

Dictyonota pakistana Drake and Maldonado 1959, p. 25, fig. 1 [Pakistan].—Drake and Davis 1960, fig. 35.

TYPE: Holotype ♂, macropterous; Lahore, West Pakistan; Drake Coll. (USNM).

DISTRIBUTION: Pakistan.

HOST PLANT: Unrecorded.

NOTE: Taken at light [Drake and Maldonado].

***Dictyonota pulchella** Costa

Dictyonota pulchella Costa 1863, p. 9, pl. 1, fig. 7 [Italy].—Horváth 1906a, p. 39 [Spain; Algeria; Mauritania; *Genista scorpius*]; 1906d, p. 3.—Oshanin 1908, p. 414 [Morocco; Tunisia].—Stichel 1926, p. 108; 1960a, p. 284, fig. 70 [Bulgaria]; 1960d, p. 122.—de Scabra 1931, p. 415, figs. 486 (3–5), 487 [*Ulex*].—Ribaut 1932, p. 576.—Gulde 1938, p. 263 [*Genista*].

Dictyonota aubei Signoret 1865, p. 118 [France].

Scraulia aubei: Stål 1874, p. 50.

Dictyonota albipennis (not von Baerensprung): Ferrari 1878, p. 84.—Puton 1879c, p. 102 (in part).—Rey 1893, p. 97.

TYPE: Sex unknown; Italy; Naples Mus.

DISTRIBUTION: Italy; France; Spain; Portugal; Bulgaria; Algeria; Morocco; Mauritania; Tunisia.

HOST PLANTS: *Genista scorpius*; *Genista* sp.; *Ulex* sp.

***Dictyonota strichnocera** Fieber

Dictyonota eryngii (not Latrielle): Curtis 1827, tab. 154, section iv [England; *Ulex*].

Tingis crassicornis (not Fallén): Herrich-Schaeffer 1835, p. 57.

Dictyonota crassicornis (not Fallén): Herrich-Schaeffer 1838, p. 74, pl. 129, fig. B.

Dictyonota strichnocera Fieber 1844, p. 95, pl. 8, figs. 4–7 [Czechoslovakia; Austria; Yugoslavia]; 1861, p. 127 [Germany].—Herrich-Schaeffer 1850, p. 157.—Mayr 1858, p. 571 [Hungary].—Costa 1863, p. 8, pl. 1, fig. 5 [Italy].—Douglas and Scott 1865, p. 256 [moss].—Frey-Gessner 1865, p. 232 [Switzerland].—Gredler 1870, p. 76.—Jakovlev 1876b, p. 67 [Russia].—Saunders 1875, p. 251; 1892, p. 129, pl. 12, fig. 2 [broom].—Vollenhoven 1878, p. 269, pl. 22, fig. 8 [Netherlands].—Ferrari 1878, p. 84.—Puton 1879c, p. 102 [France].—

Chicote 1880, p. 189 [Spain].—Rey 1893, p. 97.—Hüeber 1893, p. 316.—Kirkaldy 1900, p. 241.—Horváth 1906a, p. 40 [Belgium; Rumania; *Spartium scoparium*]; 1906d, p. 241.—Mužik 1907, p. 55.—Jensen-Haarup 1912, p. 153 [Denmark].—Butler 1922, p. 179; 1923, p. 206, fig.—Stichel 1926, p. 108; 1938a, p. 404 [Poland]; 1960a, p. 285 [Bulgaria; *Sarothamus scoparius*; *Pinus silvestris*; *Larix decidua*].—Scholte 1935, p. 23, fig. 1.—Hoberlandt 1943, p. 118.—Kiritshenko 1951, p. 245.—Štušák 1957b, p. 140; 1961a, p. 77, fig. 5H.—Southwood and Leston 1959, p. 145, pl. 18, fig. 4; pl. 21, figs. 4; pl. 45, fig. 5; fig. 45.

Scraulia strichnocera: Stål 1874, p. 50.

Dictyonota idonea Jakovlev 1903c, p. 291 [Ukraine].

TYPE: Unknown.

DISTRIBUTION: England; Belgium; Netherlands; France; Spain; Italy; Switzerland; Czechoslovakia; Germany; Yugoslavia; Bulgaria; Denmark; Poland; Hungary; Austria; Rumania; U.S.S.R. (Ukraine).

HOST PLANTS: *Larix decidua*; *Pinus silvestris*; *Sarothamus scoparius*; *Spartium scoparium*; *Ulex* sp.; broom; moss.

NOTE: Life history study [Butler 1922]; eggs [Butler 1923]; eggs and immature stages [Štušák].

Dictyonota teydensis Lindberg

Dictyonota teydensis Lindberg 1936b, p. 29, pl. 1, fig. 4 [Canary Islands].

TYPE: Sex unknown; Canary Islands; Helsin. Mus.

DISTRIBUTION: Canary Islands.

HOST PLANT: Unrecorded.

Subgenus **DICTYONOTA (ALCLETHA)** Kirkaldy

Dictyonota (not Curtis): Stål 1874, p. 49.—Lethierry and Severin 1896, p. 7.

Alcletha Kirkaldy 1900, p. 241.

Dictyonota (*Alcletha*): Horváth 1960a, p. 40 (key).—Oshanin 1908, p. 415; 1912, p. 43.—de Seabra 1931, pp. 414, 416 (key).—Börner 1935, p. 75 (key).—Stichel 1935, p. 348; 1960a, p. 286.—China 1943, p. 246.—Drake and Ruhoff 1960a, p. 52.

TYPE SPECIES: *Acanthia tricornis* Schrank.

**Dictyonota* (*Alcletha*) *aethiops* Horváth

Dictyonota truncaticollis? (not Costa): Puton 1879c, p. 100 [France; Corsica].

Dictyonota aethiops Horváth 1905b, p. 563 [Algeria].—Novak and Wagner 1951, p. 70 [Yugoslavia].

Dictyonota (*Alcletha*) *aethiops*: Horváth 1906a, p. 41 [Spain].—Gulde 1938, pp. 263, 266.—Stichel 1906a, p. 286 [Sardinia].

Alcletha aethiops: Vidal 1937, p. 197 [Morocco].

TYPE: Unknown.

DISTRIBUTION: Spain; France; Corsica; Sardinia; Yugoslavia; Algeria; Morocco.

HOST PLANT: Unrecorded.

**Dictyonota (Alcletha) aridula* Jakovlev

Dictyonota aridula Jakovlev 1902a, p. 66 [Crimea].—Drake and Ruhoff 1962d, p. 489.

Dictyonota tricornis (not Schrank): Horváth 1905b, p. 563 [Hungary].

Dictyonota (Alcletha) aridula: Horváth 1906a, p. 42 [Greece].—Kiritshenko 1951, p. 246.—Seidenstücker 1954, p. 235 [Turkey].—Hoberlandt 1955, p. 87.—Stichel 1960a, p. 288.

Dictyonota maroccana Ribuat 1939, p. 186 [Morocco].

Dictyonota (Alcletha) maroccana: Drake and Ruhoff 1962c, p. 141.

TYPE: Holotype ♀, macropterous; Eupatoria, Crimea, Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R. (Crimea); Turkey; Greece; Hungary; Morocco.

HOST PLANT: Unrecorded.

**Dictyonota (Alcletha) lugubris* Fieber

Dictyonota lugubris Fieber 1861, p. 126 [Yugoslavia].

Dictyonota (Alcletha) lugubris: Horváth 1906a, p. 41, pl. 1, fig. 6.—Stichel 1960a, p. 286.

TYPE: Sex unknown; Serbia; Vienna Mus.

DISTRIBUTION: Yugoslavia.

HOST PLANT: Unrecorded.

**Dictyonota (Alcletha) pusana* Drake and Maa

Dictyonota (Alcletha) pusana Drake and Maa 1955, p. 6 [India].

Dictyonota pusana: Lindberg 1958a, p. 78 [Borneo; Cape Verde Islands].

TYPE: Holotype ♀; Pusa, Bengal, India; British Mus.

DISTRIBUTION: India; Greater Sundra Islands (Borneo); Cape Verde Islands (São Nicolao).

HOST PLANT: Unrecorded.

NOTE: Taken on "potatoes in store" [Drake and Maa].

**Dictyonota (Alcletha) tricornis* (Schrank)

Acanthia tricornis Schrank 1801, p. 67.

Tingis crassicornis Fallén 1807, p. 38 [Sweden]; 1829, p. 147.—Zetterstedt 1828, p. 480 [Lapland]; 1840, p. 269.—Brullé 1835, p. 339, pl. 25, fig. 6.

Tingis erythrophthalma Germar and Kaulfuss 1817, fasc. 3, tab. 25.—Schilling 1838, p. 106.

Dictyonota crassicornis: Curtis 1827, pl. 4, tab. 154 [England].—Fieber 1844, p. 92, pl. 7, figs. 42–47 [Austria; Czechoslovakia; Italy; *Artemisia campestris*]; 1861, p. 127 [*Thymus*].—Sahlberg 1848, p. 134 [Finland].—

- Herrich-Schaeffer 1850, p. 157.—Flor 1860, p. 358 [Estonia; Latvia].—Douglas and Scott 1865, p. 255, pl. 9, fig. 5.—Frey-Gessner 1865, p. 232 [Switzerland].—Jakovlev 1869, p. 111 [Russia]; 1880b, p. 101; 1893, p. 294.—Siebke 1874, p. 23 [Norway].—Stål 1874, p. 49.—Saunders 1875, p. 250; 1892, p. 128, pl. 12, fig. 1 [Ireland].—Vollenhoven 1878, p. 268, pl. 9, figs. 4, 4a [Netherlands].—Puton 1879c, p. 100.—Bolivar and Chicote 1879, p. 166 [Spain].—Rey 1893, p. 97.—Hüeber 1893, p. 313.
- Tingis pilicornis* Herrich-Schaeffer 1830, heft 118, tab. 17 [Germany]; 1835, p. 57.
- Piesma marginatum* (not Wolff): Burmeister 1835, p. 258 [Hungary].
- Dictyesthes* (monomial) Amyot 1846, p. 181.
- Dictyonota pilicornis*: Herrich-Schaeffer 1838, p. 74, pl. 129, fig. 401.—Fieber 1844, p. 95, pl. 8, figs. 8–9.
- Tingis marginata*: Blanchard 1840, p. 112 [France].
- Dictyonota erythrophthalma*: Fieber 1844, p. 94, pl. 8, figs. 1–3 [*Senecio jacobaea*]; 1861, p. 127.—Herrich-Schaeffer 1850, p. 158.
- Dyctinota* [sic] *marginata*: Costa 1847a, p. 21; 1847c, p. 161.
- Campylosteira* (*Derephysia*) *pilicornis*: Kolenati 1856, p. 432 (no. 215) [Caucasus].
- Dictyonota truncaticollis* Costa 1863, p. 7, pl. 1, fig. 4.—Stål 1874, p. 49.—Puton 1886a, p. 4 [Tunisia].—Stichel 1960d, p. 122.
- Monanthia lurida* Garbiglietti 1869, p. 274.
- Dictyonota dictyesthes* Garbiglietti 1869, p. 275.—Drake and Ruhoff 1960a, p. 7.
- Dictyonota erythrocephala* Garbiglietti 1869, p. 275.
- Dictyonota crassicornis* var. *erythrophthalma*: Puton 1879c, p. 100.
- Alcletha tricornis*: Kirkaldy 1900, p. 241.
- Dictyonota* (*Alcletha*) *tricornis*: Horváth 1906a, p. 41 [Iran; Turkey; Siberia; Turkestan; Armenia; *Mentha*; *Artemisia*].—Butler 1923, p. 205 [Algeria; Wales; *Cytisus scoparius*].—de Seabra 1931, p. 416, figs. 486(2), 489 [Portugal].—Gulde 1938, pp. 262, 265, fig.—Kiritshenko 1951, p. 245.—Stehlik 1952, p. 205.—Hoberlandt 1955, p. 87.—Stichel 1960a, p. 287, fig. 76 [Balearic; Crete; Greece; Bulgaria; Sardinia; Sicily; Belgium; *Hieracium*: *Chrysanthemum*; *Echium vulgare*].
- Dictyonota tricornis*: Horváth 1906d, p. 1; 1916, p. 9 [Albania].—Mužik 1907, p. 55.—Reuter 1908, p. 89.—Jensen-Haarup 1912, p. 153, fig. 96 [Denmark].—Sahlberg 1920, p. 81.—Stichel 1926, p. 108, fig. 298 [*Verbascum*; *Echium*]; 1938a, p. 404 [Poland].—Scholte 1935, p. 23, fig. 3.—Novak and Wagner 1951, p. 70 [Yugoslavia].—Bator 1953, p. 325, pl. 2, fig. 3.—Strawinski 1953, p. 380.—Southwood and Leston 1959, p. 145, pl. 21, fig. 9; fig. 44.—Drake and Ruhoff 1962c, p. 141.

Dictyonota tricornis var. *americana* Parshley 1916a, p. 164 [Maine]; 1917b, p. 53; 1923a, p. 103; 1923b, p. 699 [N.S.].—Blatchley 1926, p. 472.—Proctor 1946, p. 74.—Bailey 1951, p. 30.—Lindberg 1958, p. 78 [Cape Verde; *Heliotropium erosum*].

Dictyonota ifranensis Vidal 1951, p. 63 [Morocco].

TYPE: Unknown.

DISTRIBUTION: England; Ireland; Wales; Netherlands; Belgium; France; Portugal; Spain; Italy; Sardinia; Sicily; Balearic Islands; Switzerland; Czechoslovakia; Austria; Germany; Poland; Denmark; Sweden; Norway; (Lapland); Finland; U.S.S.R. (Estonia; Latvia; Caucasus; Siberia; Turkestan; Armenia); Hungary; Albania; Greece; Crete; Bulgaria; Yugoslavia; Turkey; Iran; Algeria; Tunisia; Morocco; Cape Verde Islands (São Nicolao); U.S. (Maine); Canada (N.S.; N.B.).

HOST PLANTS: *Artemisia campestris*; *Artemisia* sp.; *Chrysanthemum* sp.; *Cytisus scoparius*; *Echium vulgare*; *Echium* sp.; *Heliotropium erosum*; *Hieracium* sp.; *Mentha* sp.; *Sedum acre*; *Senecio jacobaea*; *Thymus* sp.; *Verbascum* sp.

NOTE: (1) Myrmecophile, nymphs and adults found in nests of *Myrmica rubra* [Butler]; *Lasius niger* [Sahlberg]; (2) introduced into Canada and U.S.; (3) see Drake and Ruhoff 1960a, p. 7 re monomial system.

***Dictyonota (Alcletha) tricornis* var. *cicur* Horváth**

Dictyonota tricornis var. *cicur* Horváth 1905b, p. 563 [Hungary].—Dobšik 1951, p. 40.

Dictyonota (Alcletha) tricornis var. *cicur*: Horváth 1906a, p. 42.—Stichel 1960a, p. 287 [Czechoslovakia].

TYPE: Holotype ♂; Kecskemét, Hungary; Hungarian Mus.

DISTRIBUTION: Hungary; Czechoslovakia.

HOST PLANT: Unrecorded.

Subgenus DICTYONOTA (ELINA) Ferrari

Dictyonota (Elina) Ferrari 1878, p. 84.—Horváth 1906a, p. 44.—Oshanin 1908, p. 417; 1912, p. 43.—Stichel 1935, p. 348; 1960a, p. 288.—Drake and Ruhoff 1960a, p. 52.

Elina: Lethierry and Severin 1896, p. 9.

TYPE SPECIES: *Dictyonota beckeri* Jakovlev.

****Dictyonota (Elina) beckeri* Jakovlev**

Dictyonota beckeri Jakovlev 1871, p. 25 [Russia].

Dictyonota (Elina) beckeri: Ferrari 1878, p. 84.—Puton 1895, p. 86.—Horváth 1906a, p. 44 [Rumania].—Kiritschenko 1951, p. 246.

TYPE: Holotype ♀, brachypterous; Astrakhan, Russia; Leningrad Inst.

DISTRIBUTION: U.S.S.R.; Rumania.

HOST PLANT: Unrecorded.

Dictyonota (Elina) fuentei Puton

Dictyonota (Elina) fuentei Puton 1895, pp. 86, 87 [Spain].—Horváth 1906a, p. 44.—Gomez-Menor 1955b, p. 256, fig. 4.—Stichel 1960a, p. 288, fig. 78.

TYPE: Sex unknown; Pozuelo de Calatrava, Prov. de Ciudad Real, Spain; Paris Mus.

DISTRIBUTION: Spain.

HOST PLANT: Unrecorded.

***Dictyonota (Elina) henschi** Puton

Dictyonota putoni (not Stål) Ferrari 1878, p. 85.

Dictyonota (Elina) henschi Puton 1892, p. 72 [Hungary]; 1895, p. 87.—Horváth 1906a, p. 44.—Gulde 1938, p. 266.—Kiritshenko 1951, p. 246.

Dictyonota (Elina) putoni: Puton 1895, p. 87.

Dictyonota (Elina) eupatoriae Jakovlev 1902a, p. 67 [Russia].

Dictyonota henschi: Horváth 1905b, p. 565 [Italy].—Stichel 1926, p. 108; 1938a, p. 404 [Turkey].

TYPE: Sex unknown; Budapest, Hungary; Paris Mus.

DISTRIBUTION: Hungary; Italy; Turkey; U.S.S.R. (Crimea).

HOST PLANT: Unrecorded.

Dictyonota (Elina) iberica Horváth

Dictyonota (Elina) iberica Horváth 1905b, p. 564 [Spain]; 1906a, p. 44.—Stichel 1960a, p. 288.

TYPE: Sex unknown; Sierra de Espuna, Spain; Hungarian Mus.

DISTRIBUTION: Spain.

HOST PLANT: Unrecorded.

Dictyonota (Elina) marqueti Puton

Dictyonota (Elina) marqueti Puton 1879b, p. 297 [France]; 1879c, p. 103; 1895, p. 86.—Horváth 1906a, p. 45.—Stichel 1960a, p. 289.

TYPE: Sex unknown; Banyuls-sur-Mer, France; Paris Mus.

DISTRIBUTION: France.

HOST PLANT: Unrecorded.

Dictyonota (Elina) nevadensis Gomez-Menor

Dictyonota (Elina) nevadensis Gomez-Menor 1955b, p. 254, fig. 3 [Spain].—Stichel 1960a, p. 289, fig. 80.

TYPE: Sex unknown; Puerto de la Ragua, Sierra Nevada, Granada, Spain; Inst. Ent. Madrid.

DISTRIBUTION: Spain.

HOST PLANT: Unrecorded.

Dictyonota (Elina) sicardi Puton

Dictyonota (Elina) sicardi Puton 1894, p. 115 [Tunisia]; 1895, p. 87.—
Horváth 1906a, p. 44.

TYPE: Sex unknown; Teboursouk, Tunisia; Paris Mus.

DISTRIBUTION: Tunisia.

HOST PLANT: Unrecorded.

Subgenus DICTYONOTA (KALAMA) Puton

Dictyonota (Kalama) Puton (*in* Lethierry and Puton 1876, p. 34).—
Horváth 1906a, p. 42.—Oshanin 1908, p. 416; 1912, p. 43.—Drake
and Ruhoff 1960a, p. 53.

Kalama: Lethierry and Severin 1896, p. 10.

TYPE SPECIES: *Kalama coquereli* Puton.

Dictyonota (Kalama) brevicornis Ferrari

Dictyonota (Kalama) putonii var. *brevicornis* Ferrari 1884, p. 474 [Tunisia].

Dictyonota (Kalama) brevicornis: Horváth 1906a, p. 43.

TYPE: Sex unknown; Tunisia; Genova Mus.

DISTRIBUTION: Tunisia.

HOST PLANT: Unrecorded.

Dictyonota (Kalama) coquereli (Puton)

Kalama coquereli Puton (*in* Lethierry and Puton 1876, p. 34) [Algeria].

Dictyonota (Kalama) coquereli: Horváth 1906a, p. 44.

TYPE: Sex unknown; Algeria; Paris Mus.

DISTRIBUTION: Algeria.

HOST PLANT: Unrecorded.

***Dictyonota (Kalama) putonii** Stål

Dictyonota putonii Stål 1874, p. 50 [Algeria].

Dictyonota putoni [sic]: Puton 1886a, p. 12 [Tunisia].

Kalama putoni [sic]: Lethierry and Severin 1896, p. 10.

Dictyonota (Kalama) putonii: Horváth 1906a, p. 43.

TYPE: Sex unknown; Bône, Algeria; Stockholm Mus.

DISTRIBUTION: Algeria; Tunisia.

HOST PLANT: Unrecorded.

Dictyonota (Kalama) reuteri Horváth

Dictyonota (Kalama) reuteri Horváth 1906a, p. 42 [Syria].

TYPE: Sex unknown; Kaifa, Syria; Helsin. Mus.

DISTRIBUTION: Syria.

HOST PLANT: Unrecorded.

***Dictyonota (Kalama) theryi** (Montandon)

Kalama theryi Montandon 1897, p. 99 [Algeria].

Dictyonota (Kalama) theryi: Horváth 1906a, p. 43.

TYPE: Sex unknown; Algeria; Bucharest Mus.

DISTRIBUTION: Algeria.

HOST PLANT: Unrecorded.

Genus DICTYOTINGIS Drake

Dictyotingis Drake 1942a, p. 8.—Drake and Ruhoff 1960a, p. 53.

TYPE SPECIES: *Dictyotingis gibberis* Drake.

***Dictyotingis gibberis Drake**

Dictyotingis gibberis Drake 1942a, p. 8 [India].—Drake and Davis 1960, fig. 37.

TYPE: Holotype ♂, macropterous; Madura, India; Drake Coll. (USNM).

DISTRIBUTION: India.

HOST PLANT: Unrecorded.

***Dictyotingis monticula Drake**

Dictyotingis monticula Drake 1956h, p. 21 [India].

TYPE: Holotype ♀, macropterous; Naga Hills, Assam; Drake Coll. (USNM).

DISTRIBUTION: India..

HOST PLANT: Unrecorded.

Genus EUAULANA Drake

Euaulana Drake 1945, p. 96.—Drake and Ruhoff 1960a, p. 56.

TYPE SPECIES: *Euaulana ferritincta* Drake.

***Euaulana ferritincta Drake**

Euaulana ferritincta Drake 1945, p. 96 [Queensland; Tasmania; Victoria].

TYPE: Holotype ♂, macropterous; Burleigh, Queensland, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland; Tasmania; Victoria; New South Wales).

HOST PLANT: Unrecorded.

***Euaulana tasmaniae Drake**

Euaulana tasmaniae Drake 1945, p. 97 [Tasmania]; 1954c, p. 72; 1961b, p. 111 [New South Wales; *Banksia robur minor*].—Drake and Ruhoff 1962b, p. 250 [South Australia; *Banksia*].

TYPE: Holotype ♀, macropterous; Hobart, Tasmania, Australia; Drake Coll. (USNM).

DISTRIBUTION: Australia (Queensland; Tasmania; New South Wales; South Australia).

HOST PLANTS: Cones of *Banksia robur minor*; *Banksia* sp.

Genus YPSOTINGIS Drake

Ypsotingis Drake 1947d, p. 229; 1958d, pp. 149–153.—Drake and Ruhoff 1960a, p. 88.

TYPE SPECIES: *Ypsotingis sideris* Drake.

***Ypsotingis bakeri Drake**

Ypsotingis bakeri Drake 1958d, p. 149, pl. 45, figs. a, b [Borneo].—Drake and Davis 1960, fig. 36.

TYPE: Holotype ♂, macropterous; Sandakan, Borneo; Drake Coll. (USNM).

DISTRIBUTION: Greater Sunda Islands (Borneo).

HOST PLANT: Unrecorded.

***Ypsotingis bornea** Drake

Ypsotingis bornea Drake 1958d, p. 152 [Borneo].

TYPE: Holotype ♀, macropterous; Sandakan, Borneo; Drake Coll. (USNM).

DISTRIBUTION: Greater Sunda Islands (Borneo).

HOST PLANT: Unrecorded.

***Ypsotingis luzonana** Drake

PLATE 52

Ypsotingis luzonana Drake 1958d, p. 150, pl. 46, figs. a, b [Luzon].

TYPE: Holotype ♂, macropterous; Mount Makiling, Luzon, Philippine Islands; Drake Coll. (USNM).

DISTRIBUTION: Philippine Islands (Luzon).

HOST PLANT: Unrecorded.

Ypsotingis sideris Drake

Ypsotingis sideris Drake 1947d, p. 230, fig. [Viet-Nam]; 1947c, p. 67, fig. (color); 1948b, p. 45, fig. 1; 1958d, p. 149.

TYPE: Holotype ♀; Tonkin, Indochina; Mus. Heude.

DISTRIBUTION: Viet-Nam.

HOST PLANT: Unrecorded.

Ypsotingis vicinitas Drake (emendation)

Ypsotingis vicinitas Drake 1948h, p. 74, fig. [Soemba]; 1958d, p. 153 [Java].

TYPE: Holotype ♀; Kananggar, Soemba Island, Netherlands East Indies; Leiden Mus.

DISTRIBUTION: Lesser Sunda Islands (Soemba); Greater Sunda Islands (Java).

HOST PLANT: Unrecorded.

Subfamily **VIANAIDINAE** Kormilev

VIANAIDIDAE Kormilev 1955b, p. 466.—Drake and Ruhoff 1960a, p. 6 (as family).

VIANAIDANAE Drake and Davis 1960, pp. 8, 82, 84 (as subfamily).

TYPE GENUS: *Vianaida* Kormilev = *Anommatocoris* China.

[Note: According to the rules, Vianaidinae must be retained as the proper subfamily name.]

Genus ANOMMATOCORIS China

Anommatocoris China 1945, p. 126.—Drake and Davis 1960, pp. 84, 88.

Vianaida Kormilev 1955b, p. 468.

TYPE SPECIES: *Anommatocoris minutissimus* China.

***Anommatoris coleopteratus** (Kormilev) PLATE 55

Vianaidea coleopterata Kormilev 1955b, p. 472, figs. 1-5 [Argentina; *Gleditsia triacanthos*].

Anommatoris coleoptratus [sic]: Drake and Davis 1960, pp. 88, 89, figs. 5, 21-23, 26 a-b, 27, 72 a-c, 73.

TYPE: Holotype ♀, brachypterous; Tigre, Rio Juján, Buenos Aires Prov., Argentina; Drake Coll. (USNM).

DISTRIBUTION: Argentina.

HOST PLANT: Roots of *Gleditsia triacanthos* ("imported tree called 'Acacia negra' in Argentina").

NOTE: Myrmecophile; found in nest of *Acromyrmex lundii* (Guérin) [Kormilev].

***Anommatoris minutissimus** China PLATES 54, 56c

Anommatoris minutissimus China 1945, pp. 127, 128, figs. 1 a-d [Trinidad].—Drake and Davis 1960, pp. 88, 90, figs. 74 a-c.—Drake and Froeschner 1962, fig. 3.

TYPE: Sex unknown; Trinidad, British West Indies; British Mus.

DISTRIBUTION: Trinidad.

HOST PLANT: Unrecorded.

NOTE: Found in soil of cacao experimental plantation [China]; myrmecophile, associated with undetermined species of ant [Drake and Davis].

***Anommatoris zeteki** Drake and Froeschner PLATE 56

Anommatoris zeteki Drake and Froeschner 1962, p. 8, figs. 1, 2 [Canal Zone].

TYPE: Holotype ♂, brachypterous; Barro Colorado Island, Panama Canal Zone; USNM.

DISTRIBUTION: Panama (Canal Zone).

HOST PLANT: Unrecorded.

NOTE: Myrmecophile [Drake and Froeschner].

Genus THAUMAMANNIA Drake and Davis

Thaumamannia Drake and Davis 1960, p. 90.

TYPE SPECIES: *Thaumamannia manni* Drake and Davis.

***Thaumamannia manni** Drake and Davis PLATE 53

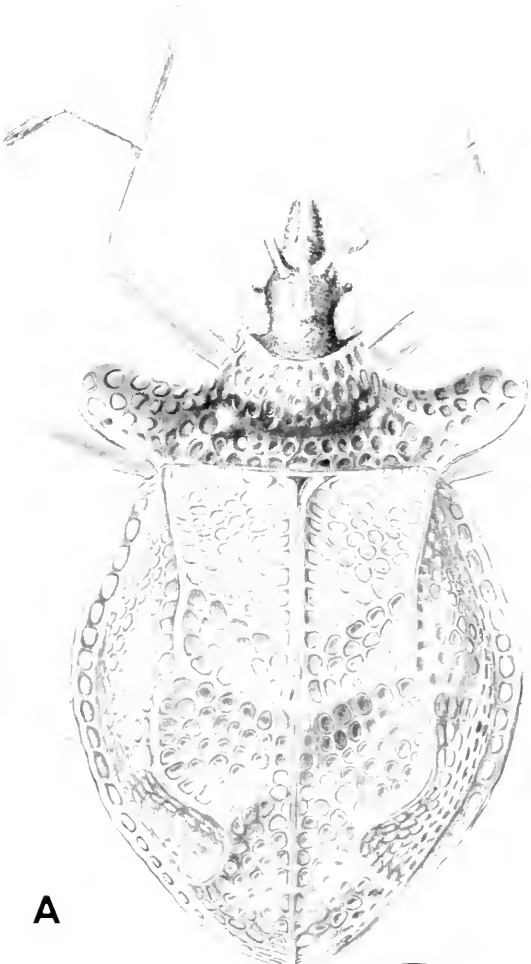
Thaumamannia manni Drake and Davis 1960, pp. 88, 92, figs. 75 a-c [Bolivia].

TYPE: Holotype ♀, brachypterous; Santa Cruz, Bolivia; USNM.

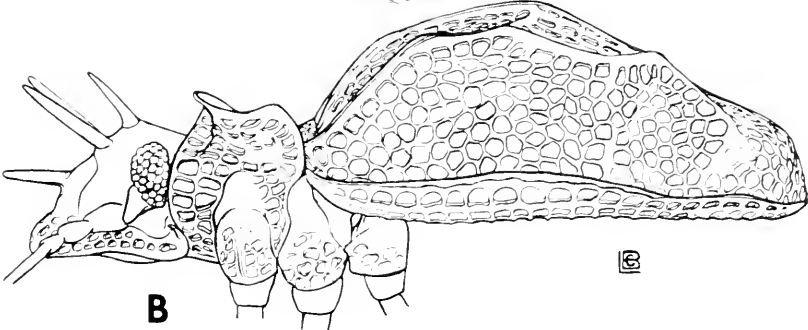
DISTRIBUTION: Bolivia.

HOST PLANT: Unrecorded.

NOTE: Myrmecophile; found in nest of undetermined species of ant [Drake and Davis].

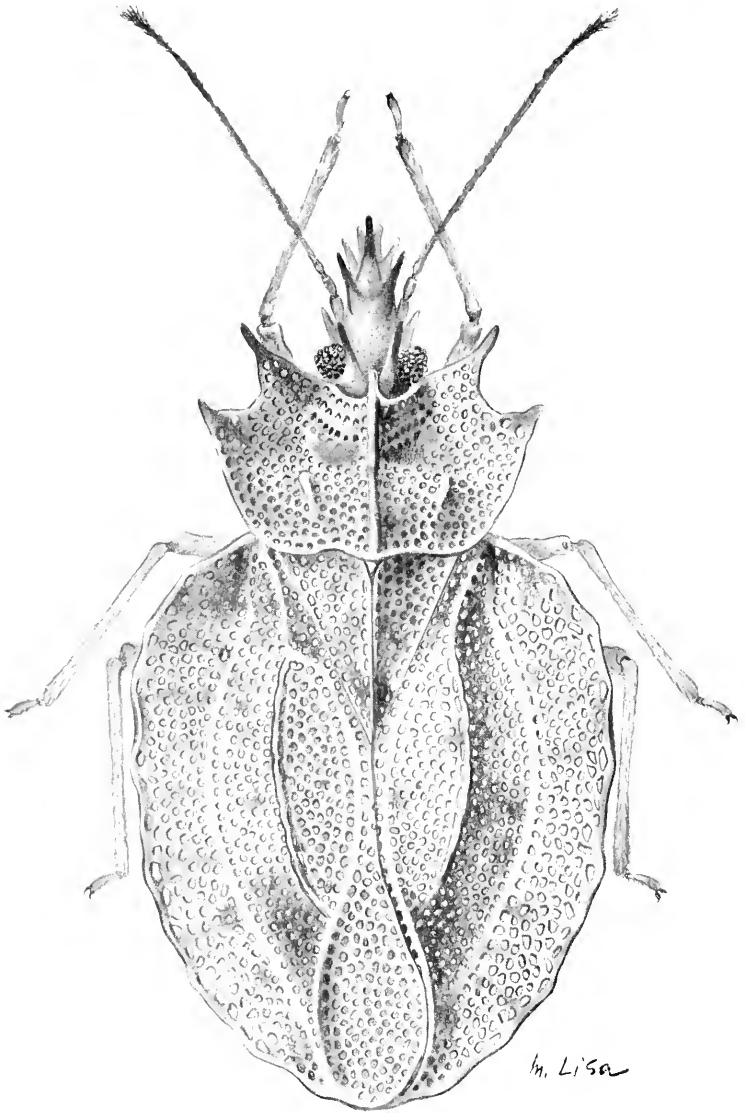


A

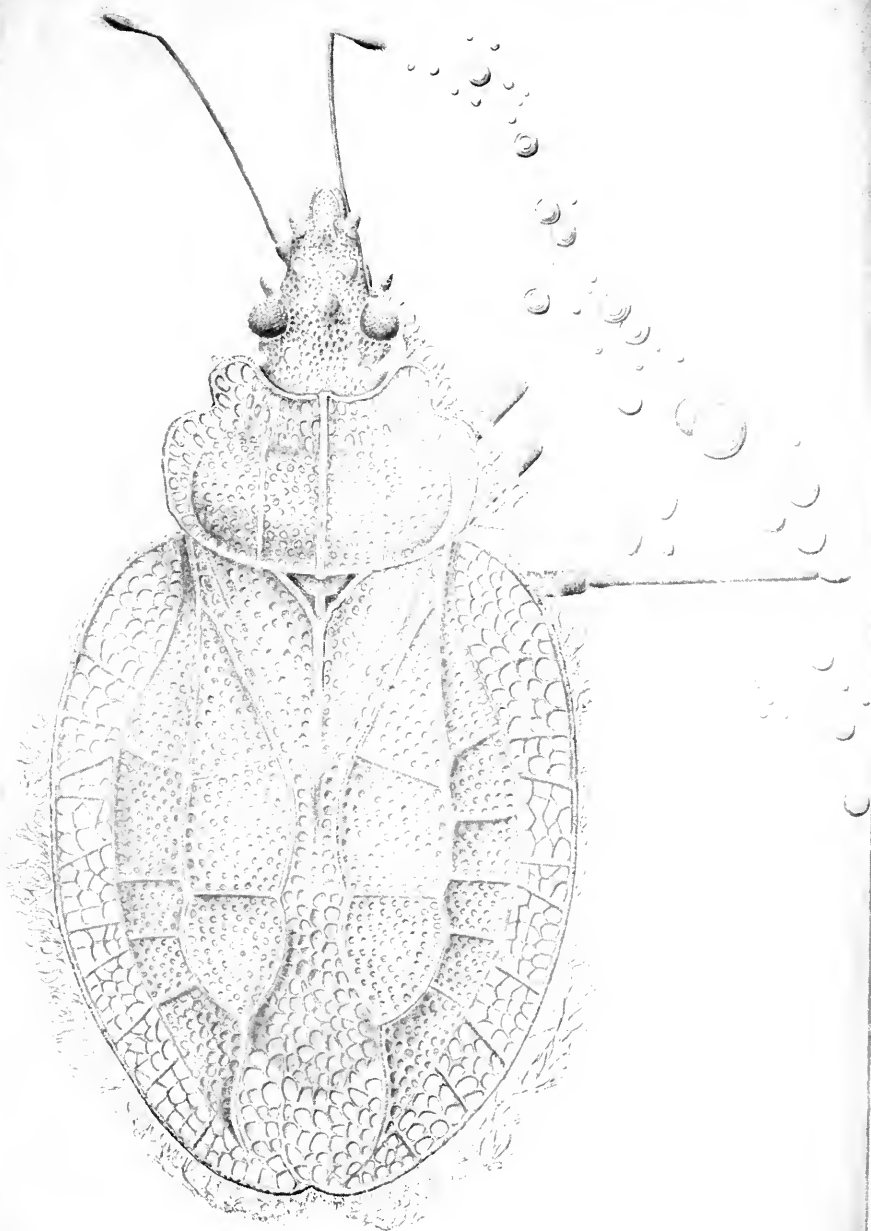


B

Alloooideres dawao Drake

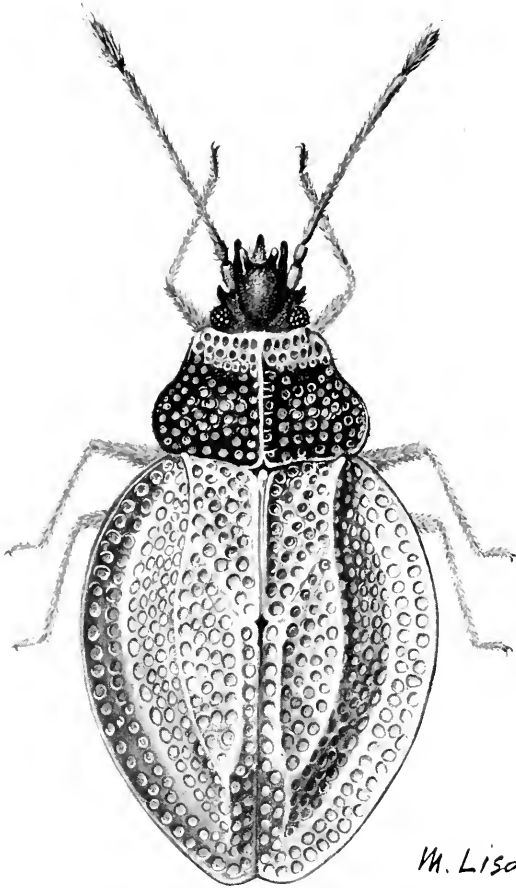


Phatnoma pacifica Kirkaldy



EpS

† *Phatnoma baltica* Drake (fossil in amber)



Zetekella pulla Drake and Plaumann

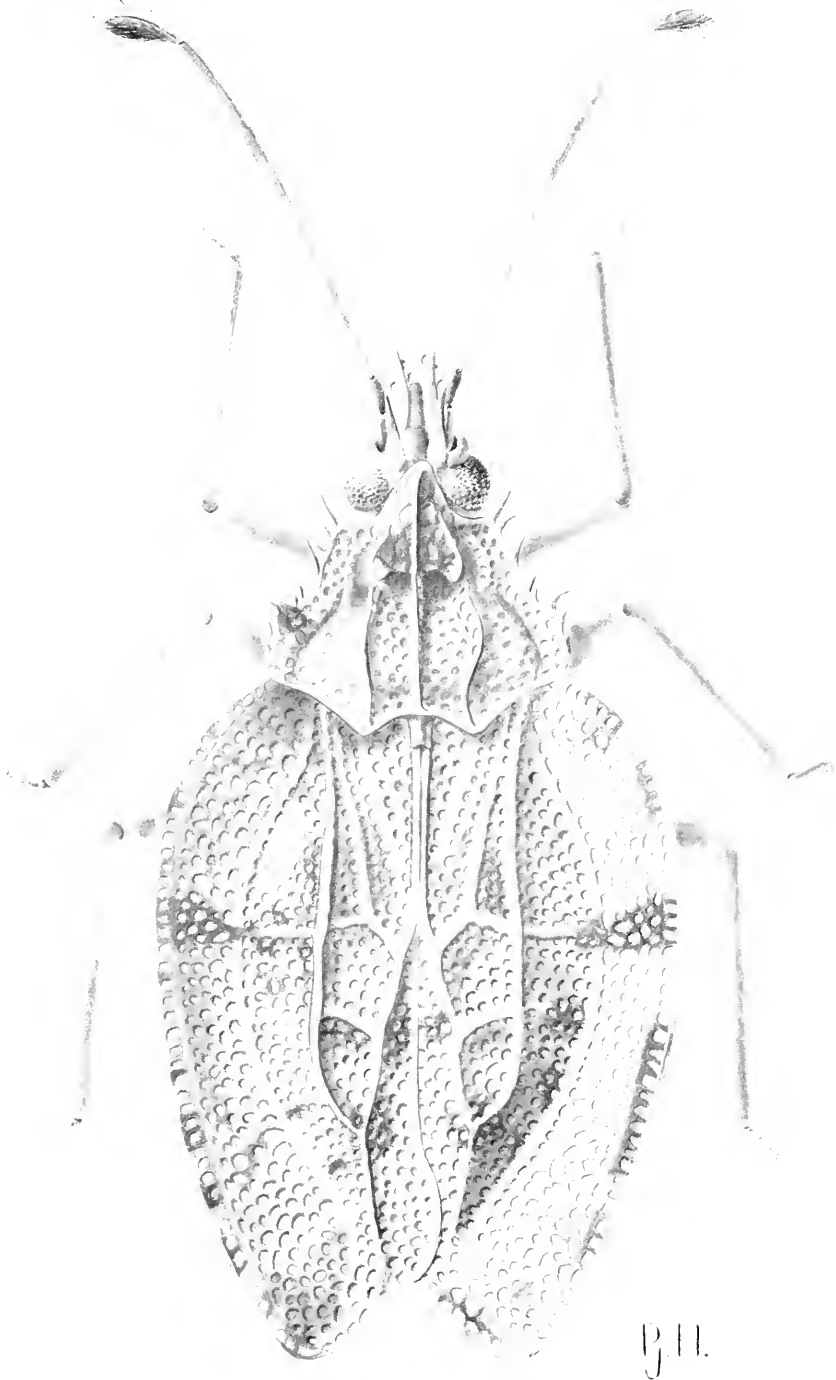
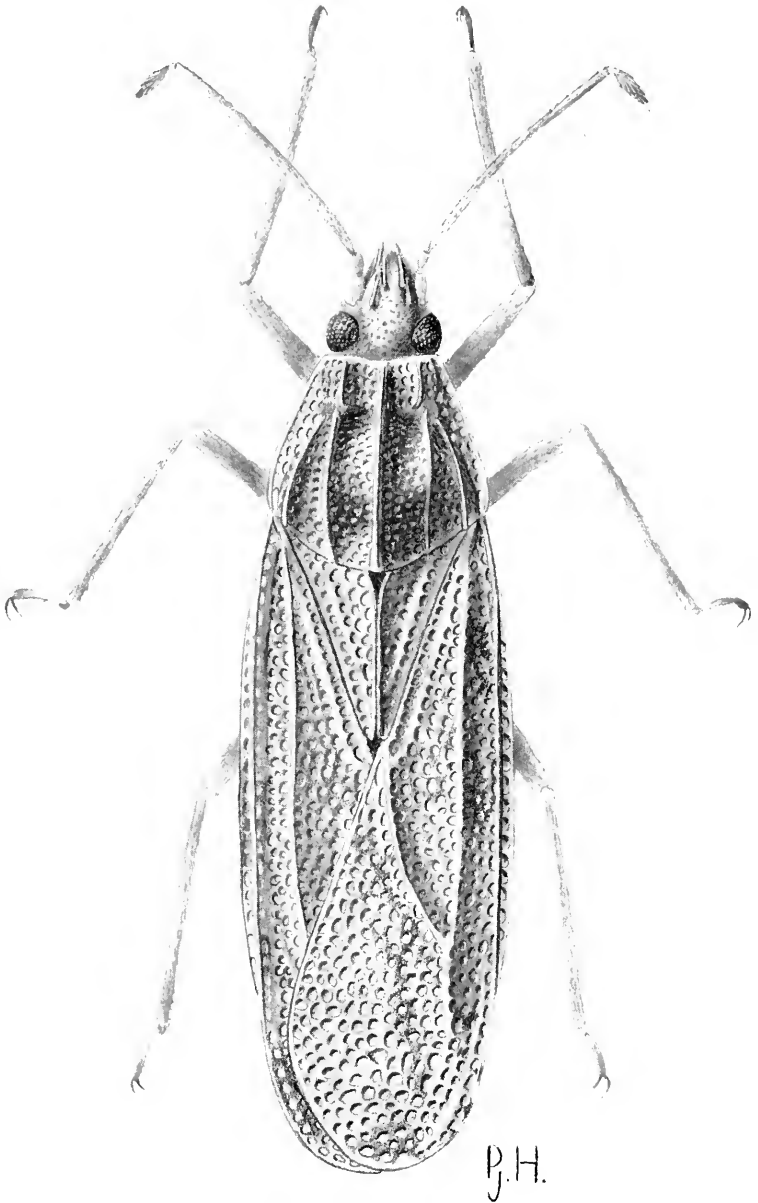
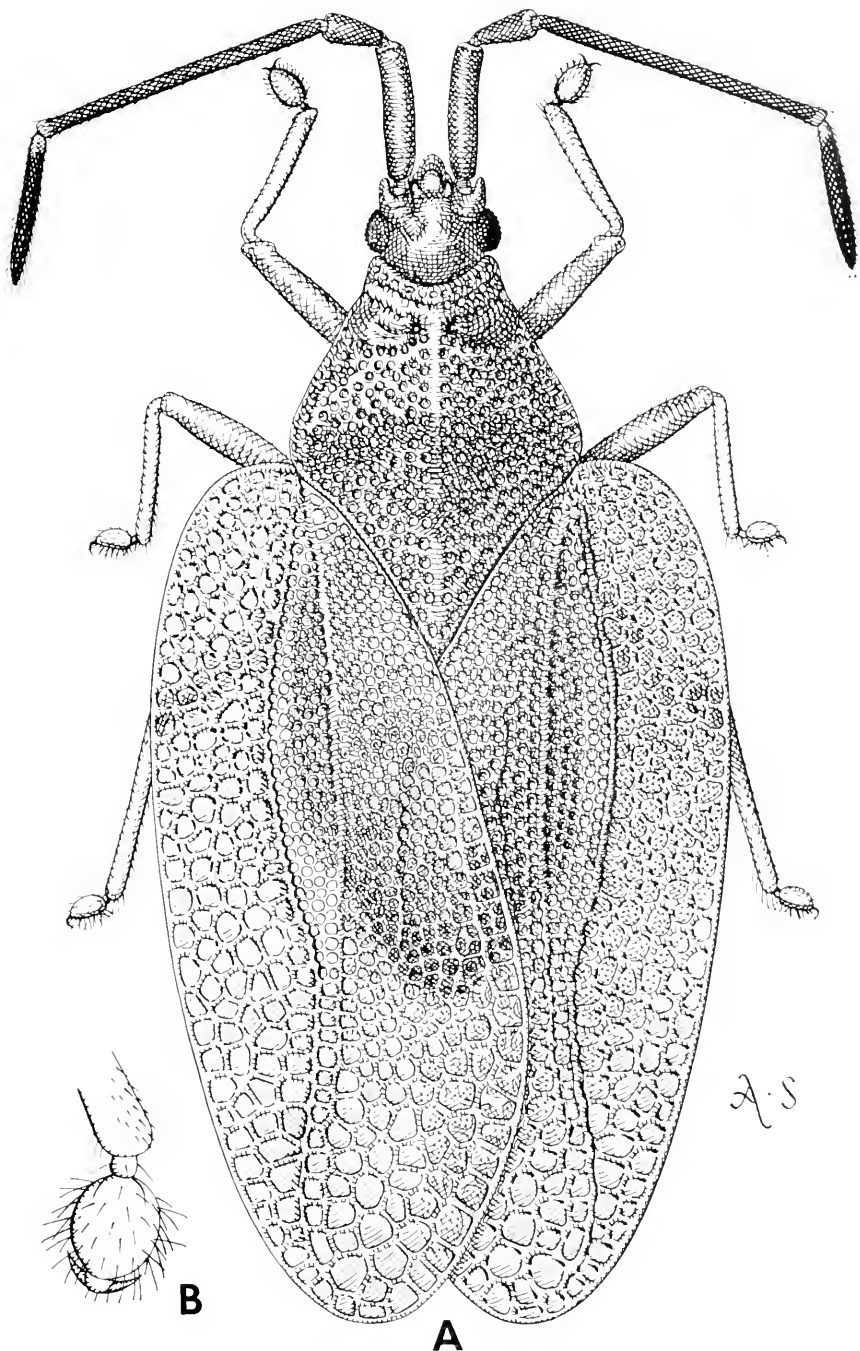


Fig.

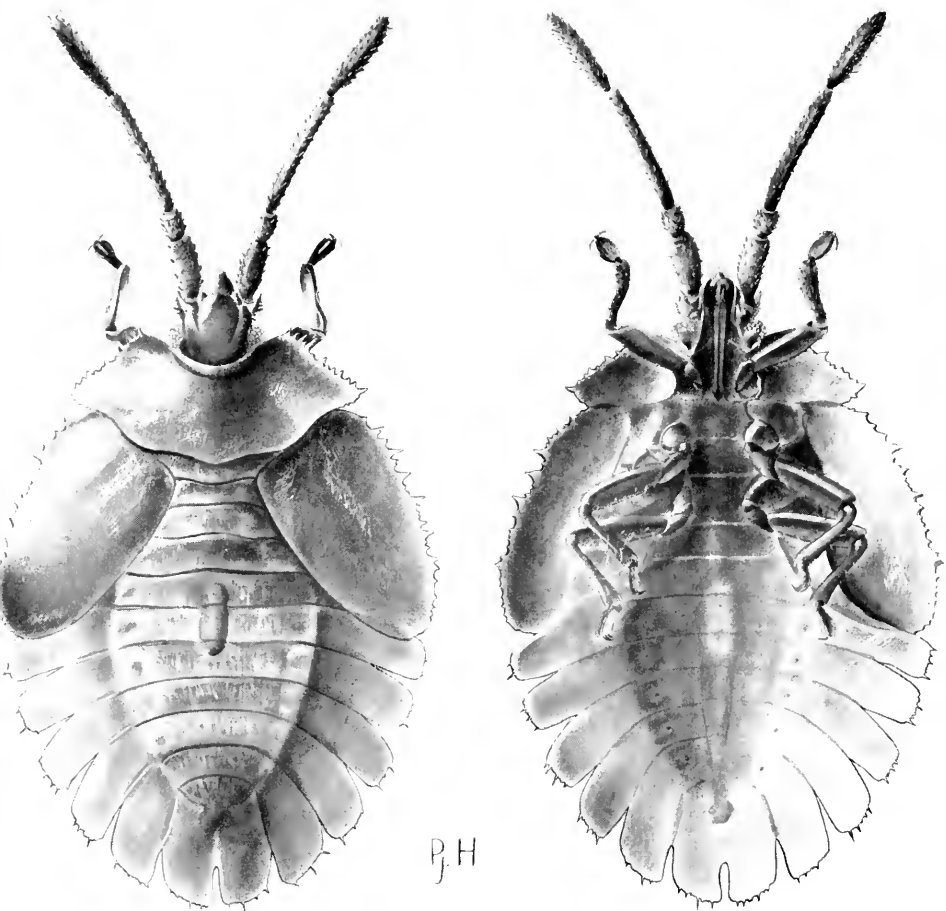
Ceratocader armatus (Hacker)



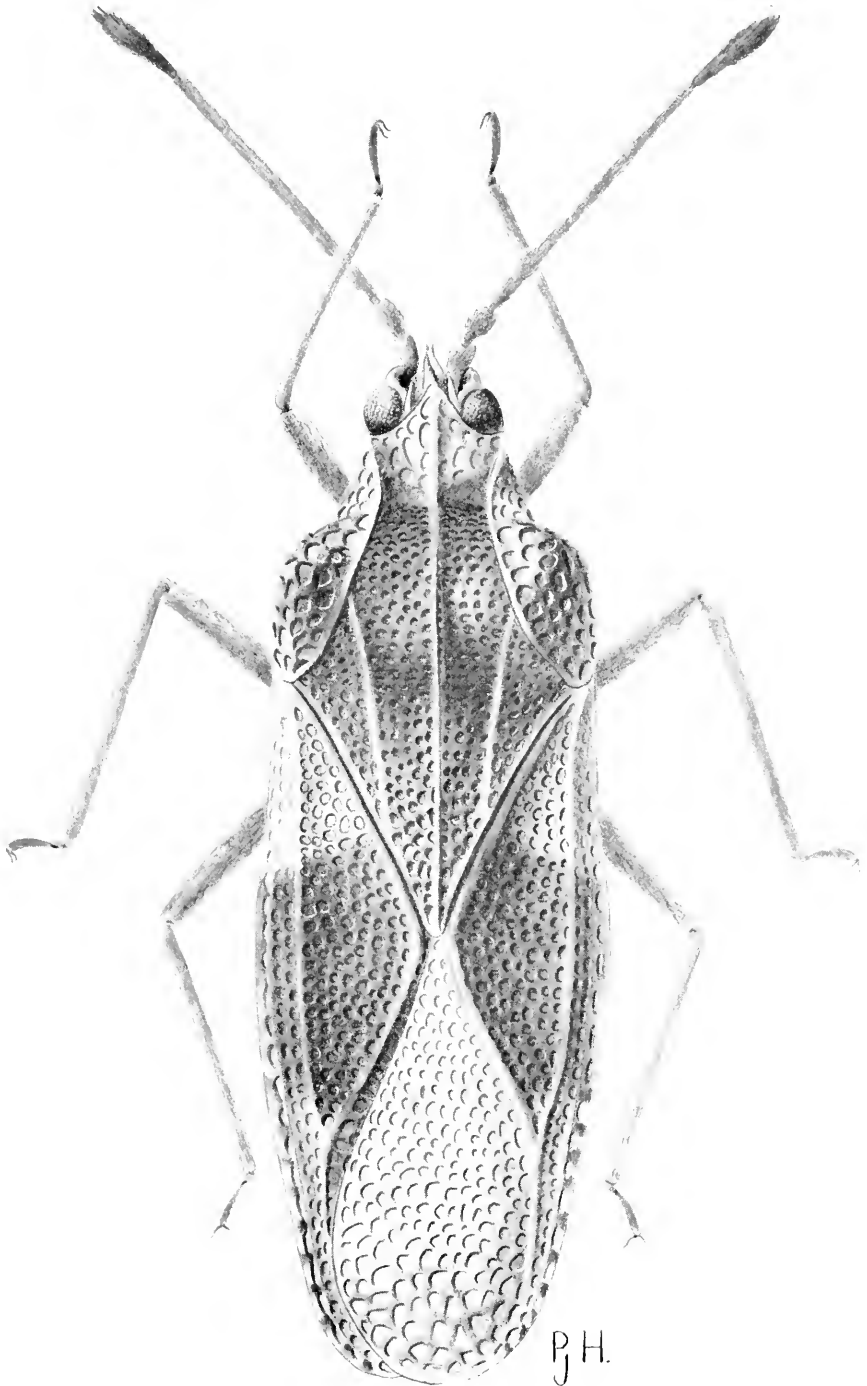
Cantacader tener Bergroth



Litadea delicatula China

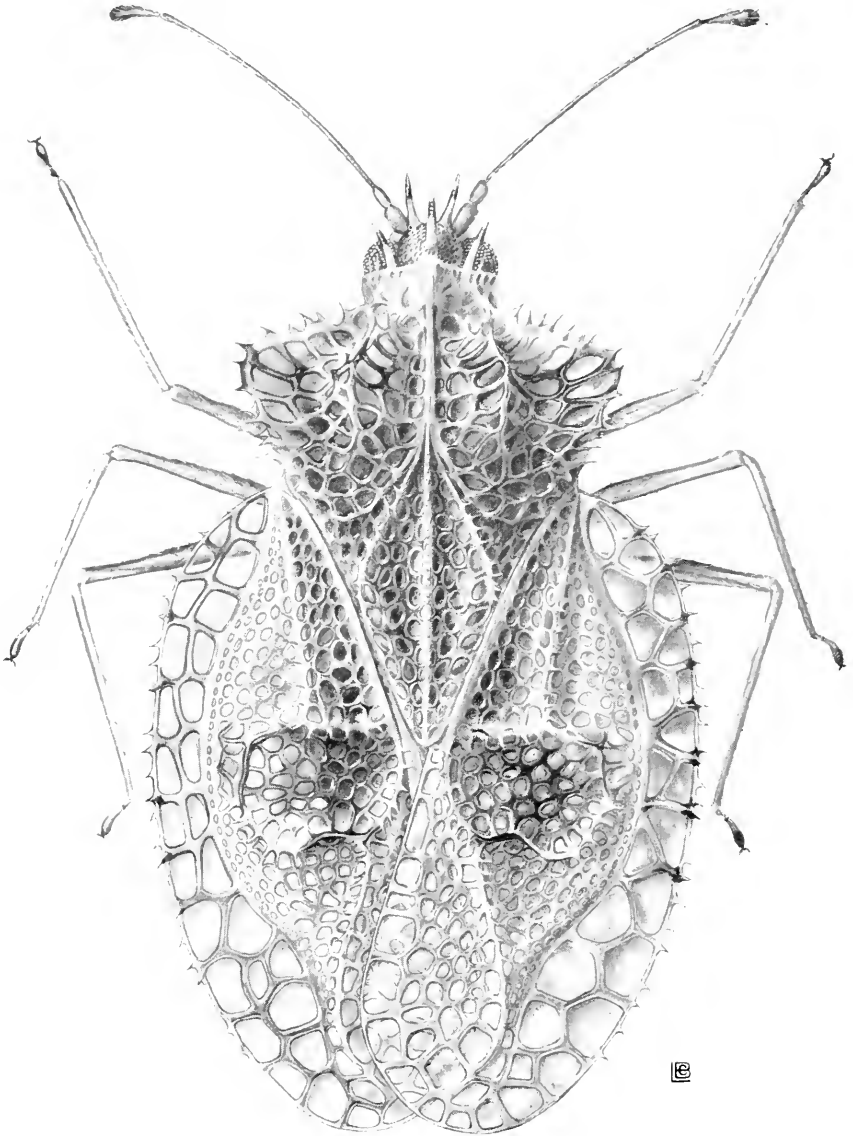


Litadea delicatula China, dorsal and ventral views of last nymphal instar

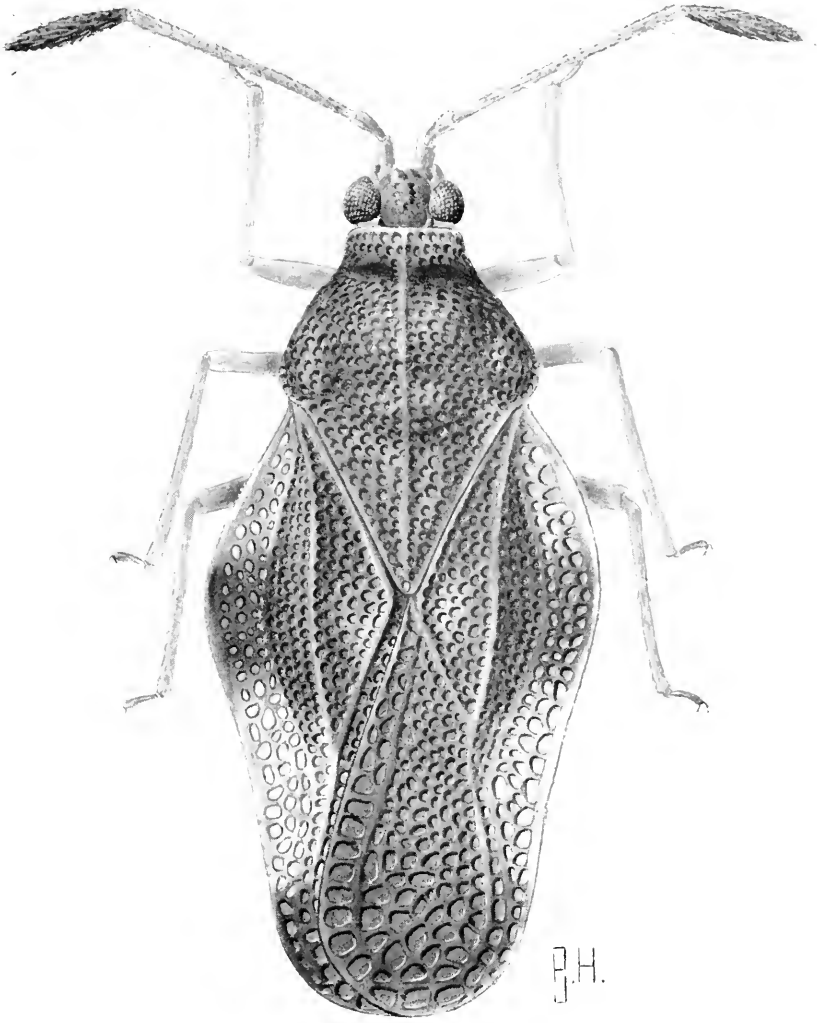


P. H.

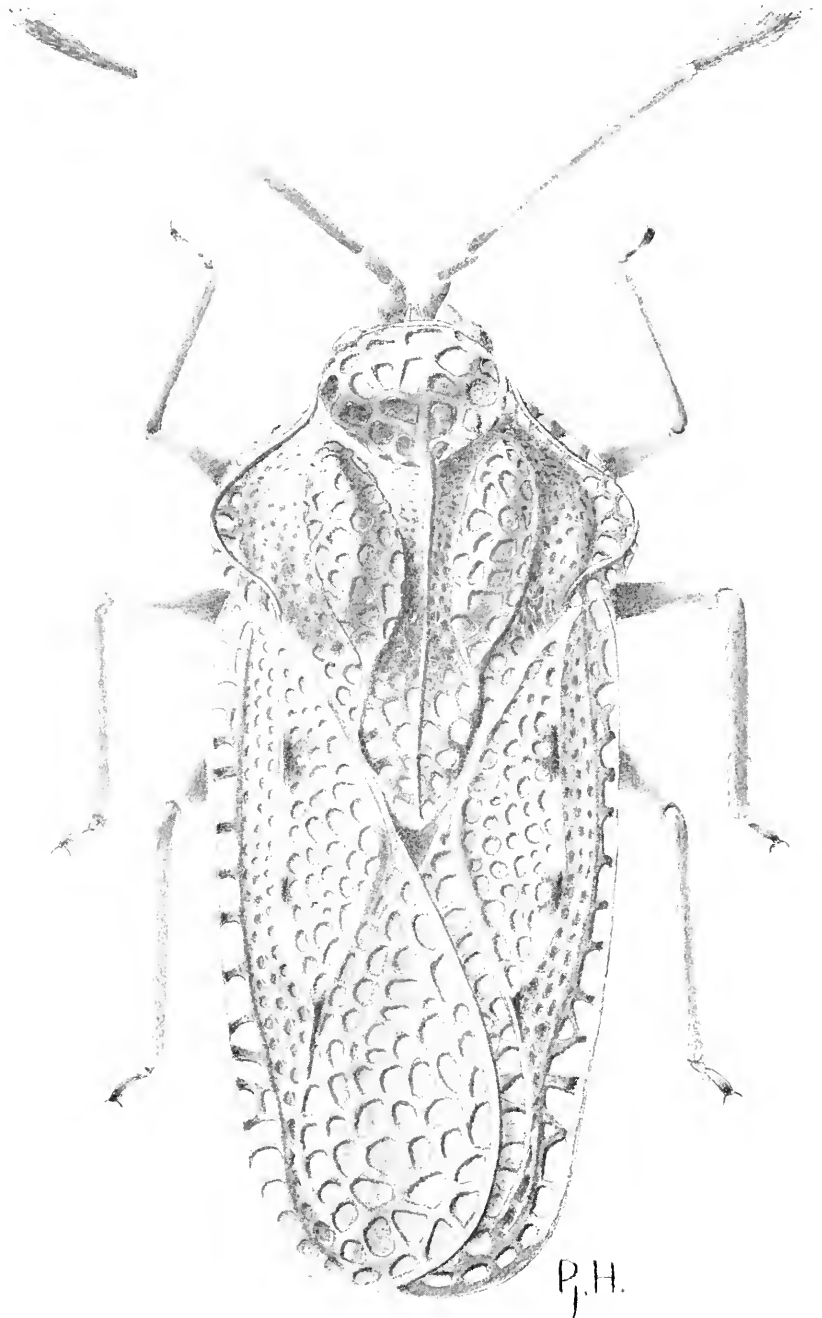
Cystechila pocilia Drake and Ruhoff



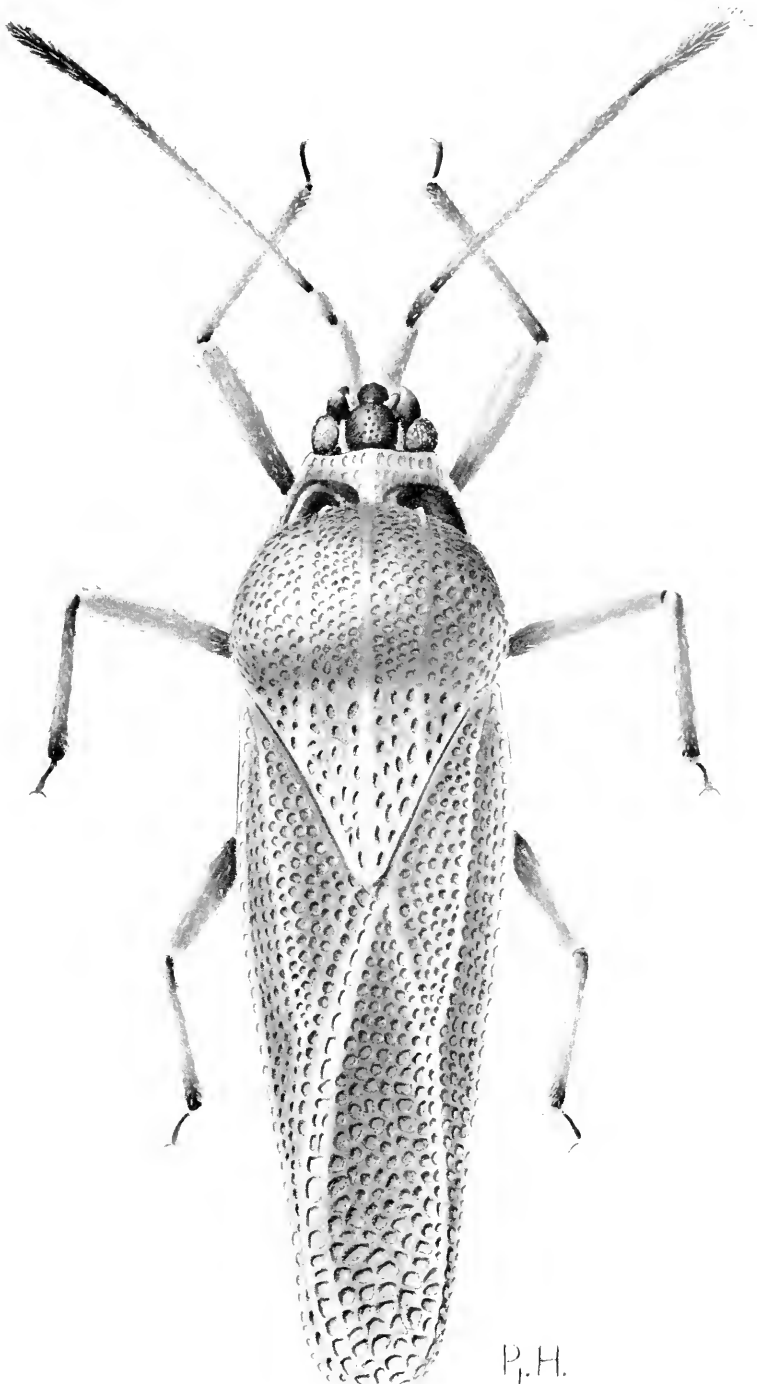
Ambotingis senta (Drake and Hambleton)



Eteoneus peroronus Drake

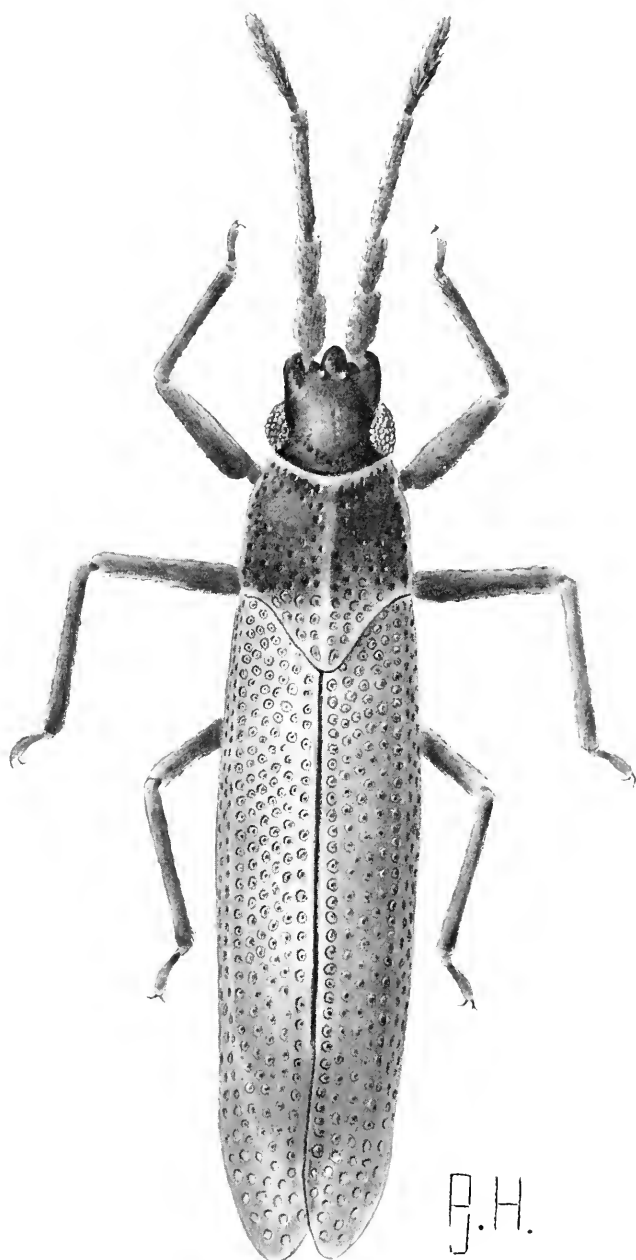


Alloecysta approba Drake

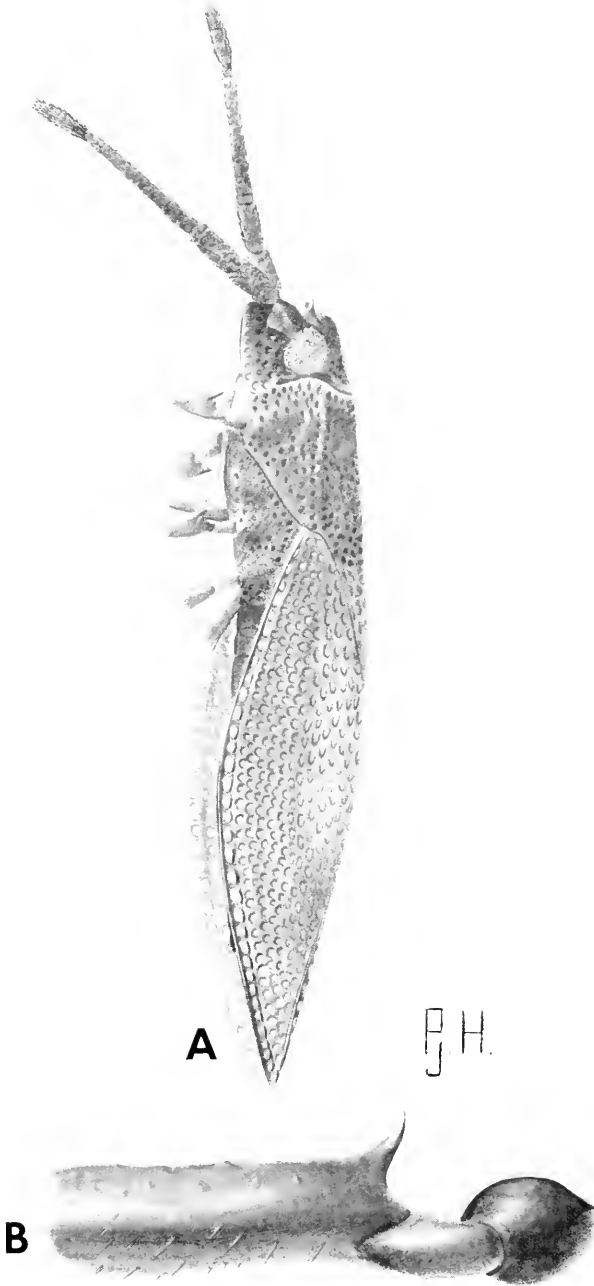


P.H.

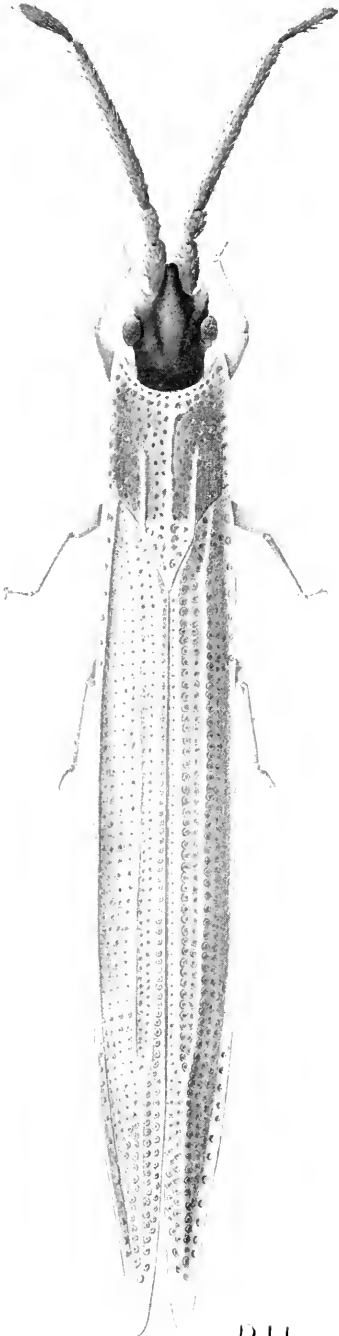
Epimixia vittata Horváth



Agramma onar Drake



Lullius spinifemur Drake

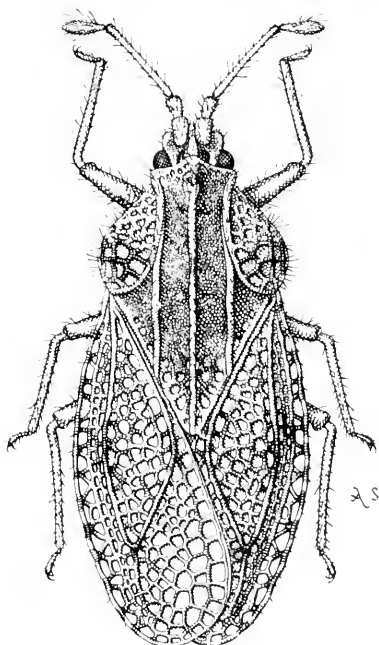


B.H

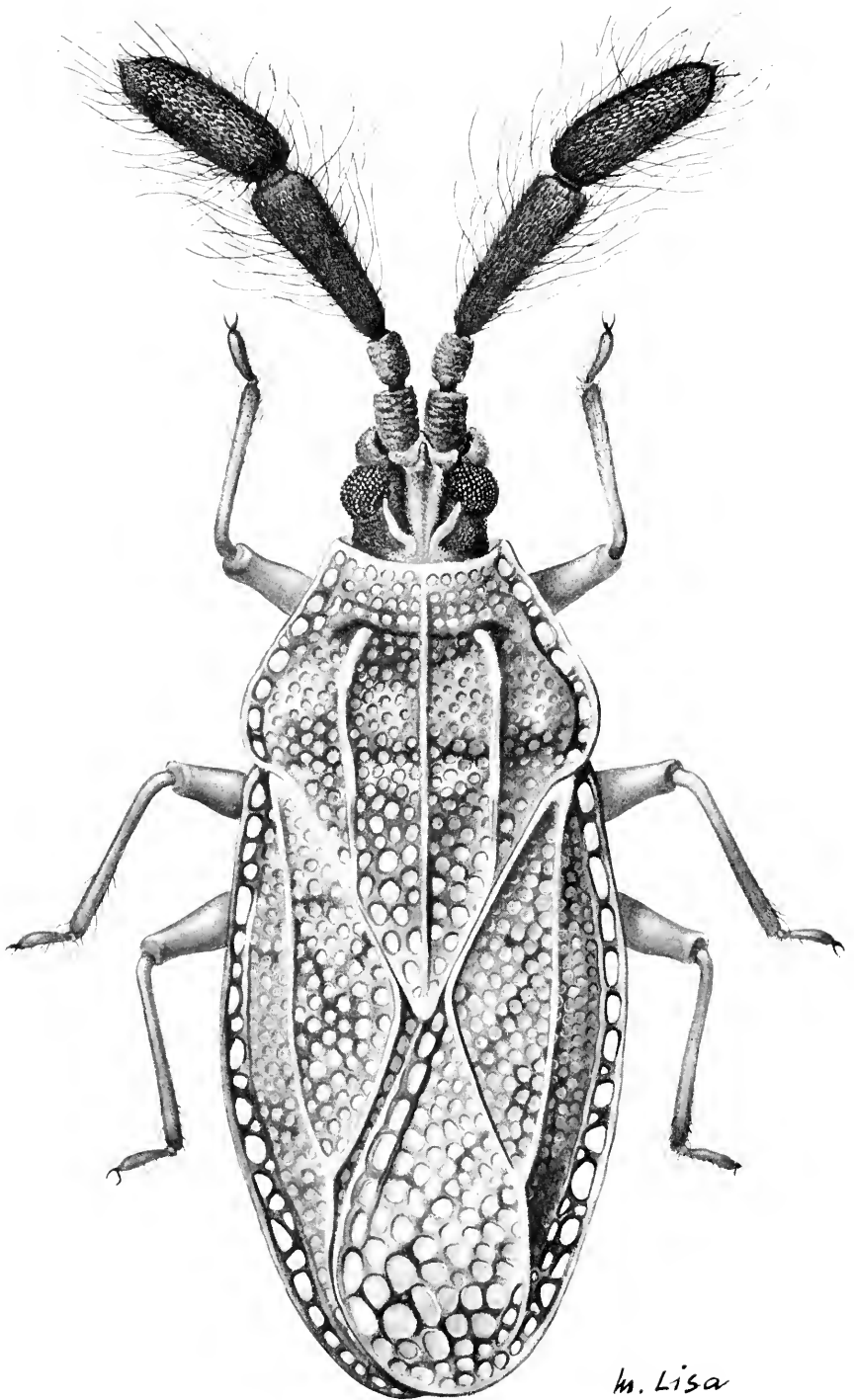
Perbrinckea brincki Drake



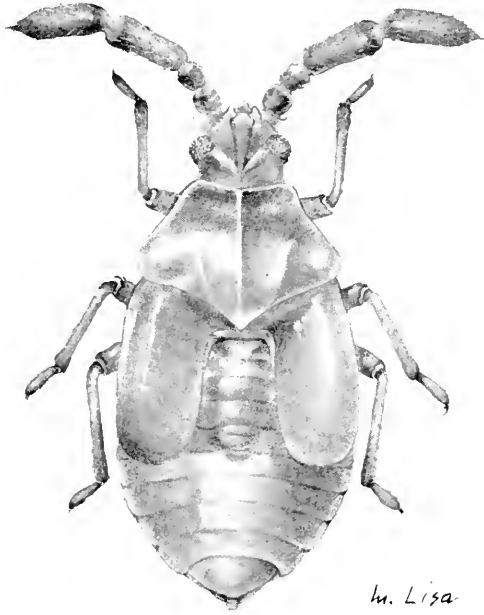
Leaf down-curl on *Dichapetalum cymosum* by feeding of *Onymochila dichapetali* (Horváth)



Onymochila dichapetali (Horváth)

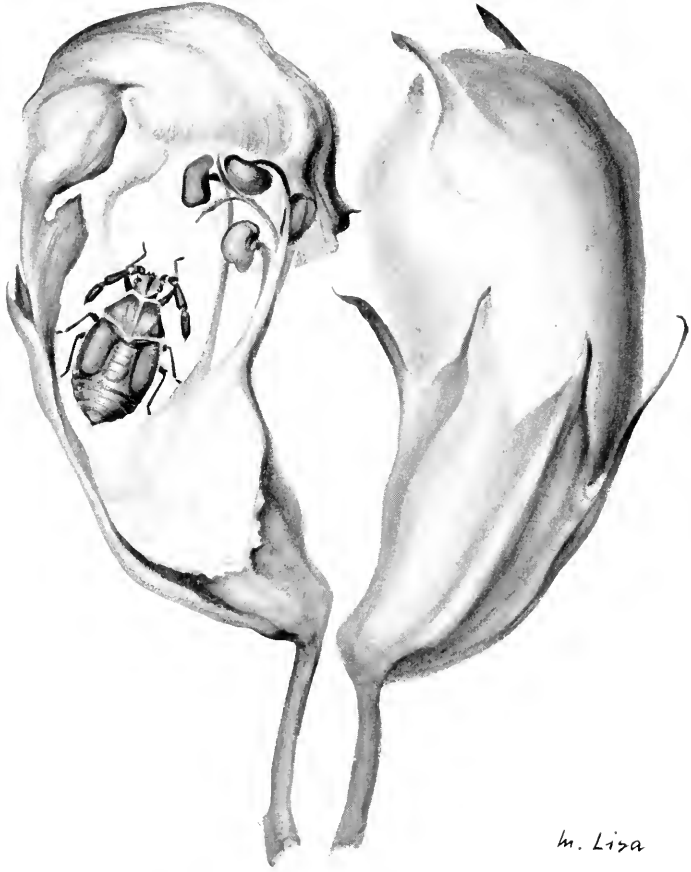


Copium clavicornis (Linnaeus)

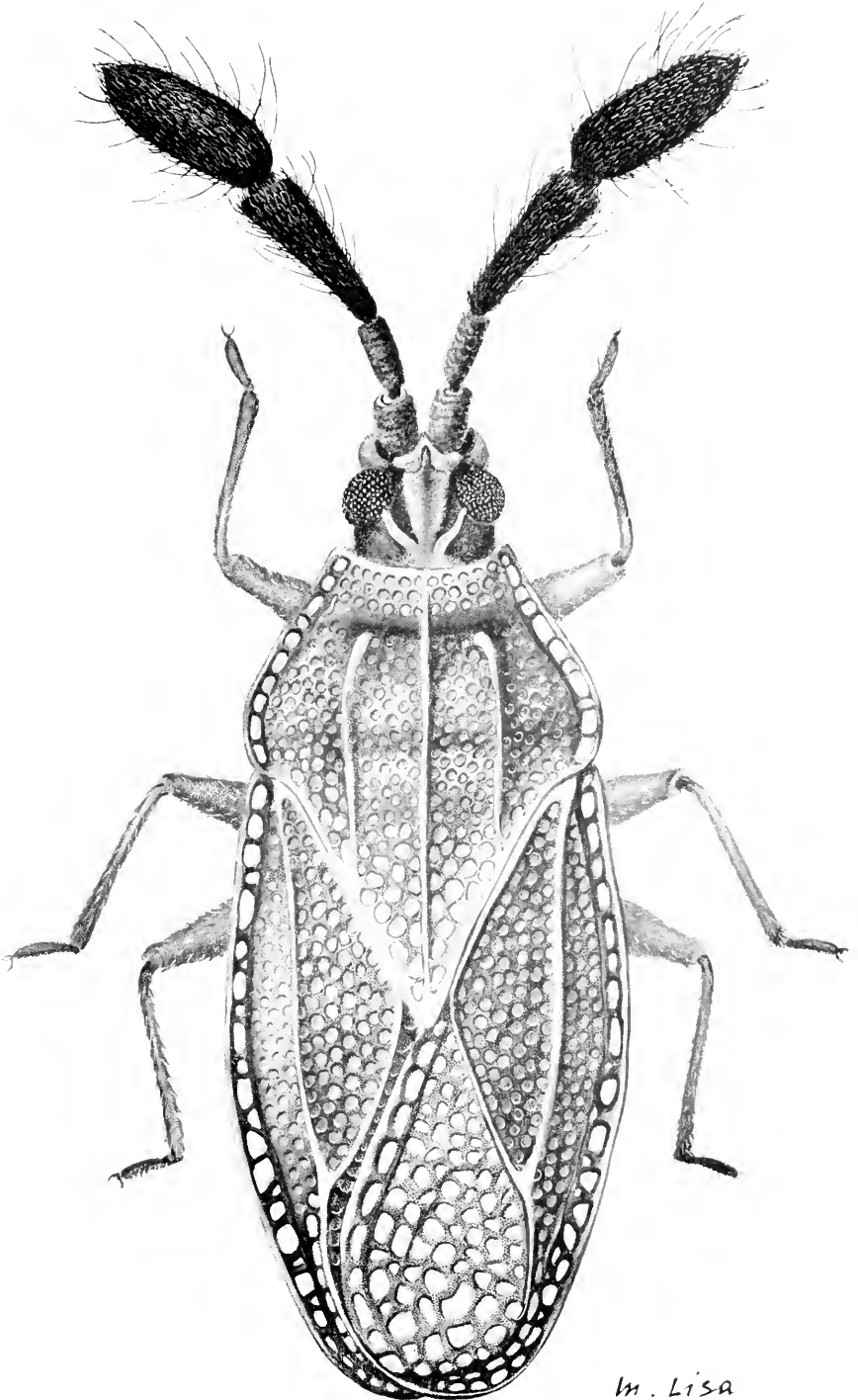


h. Lisa

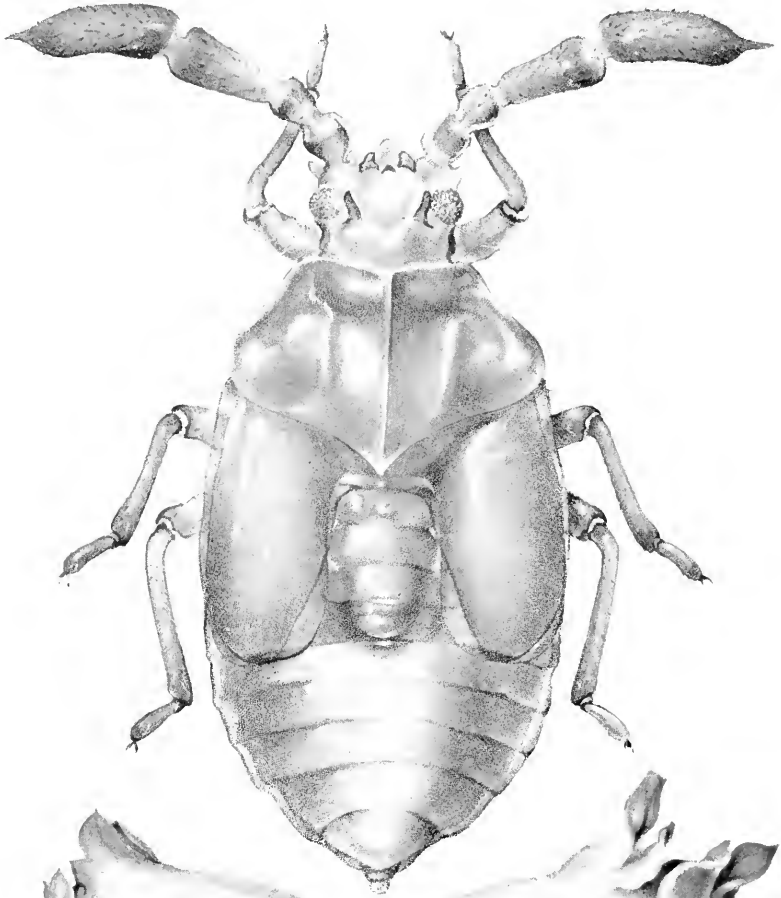
Copium clavicorne (Linnaeus), last nymphal instar



Floral cecidia of *Copium clavicornis*, one side removed to expose inmate



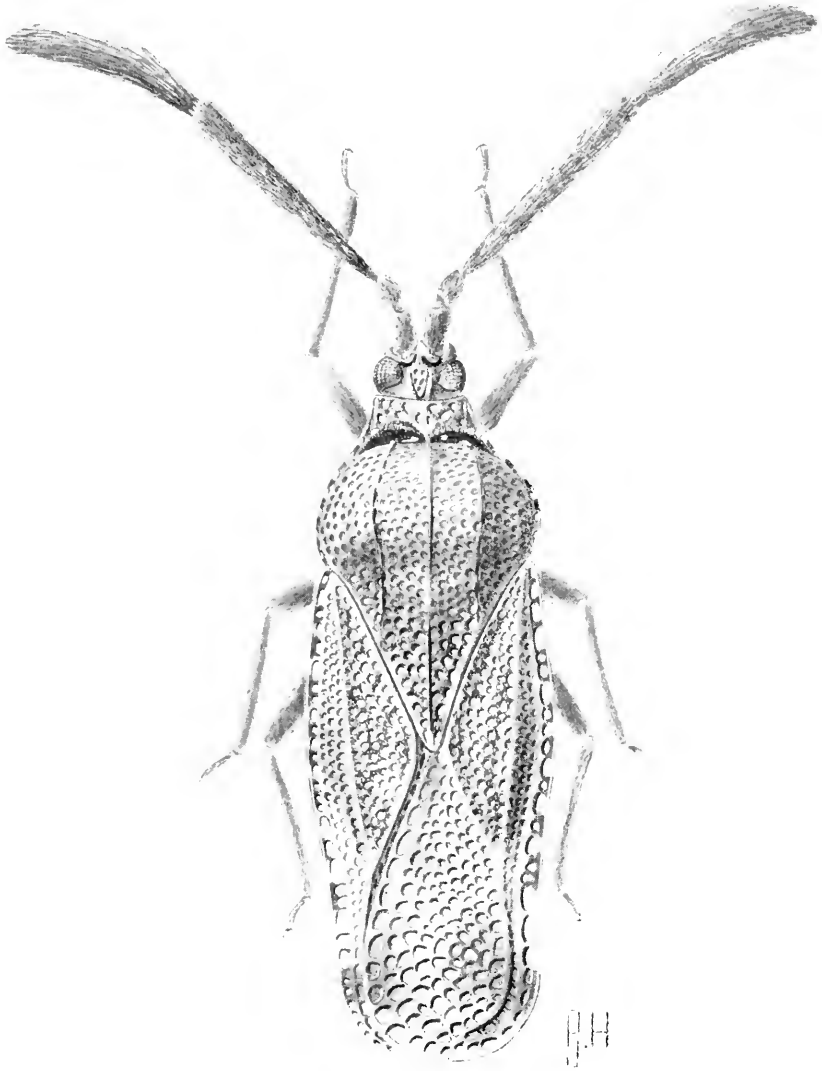
Copium teucriti (Host)



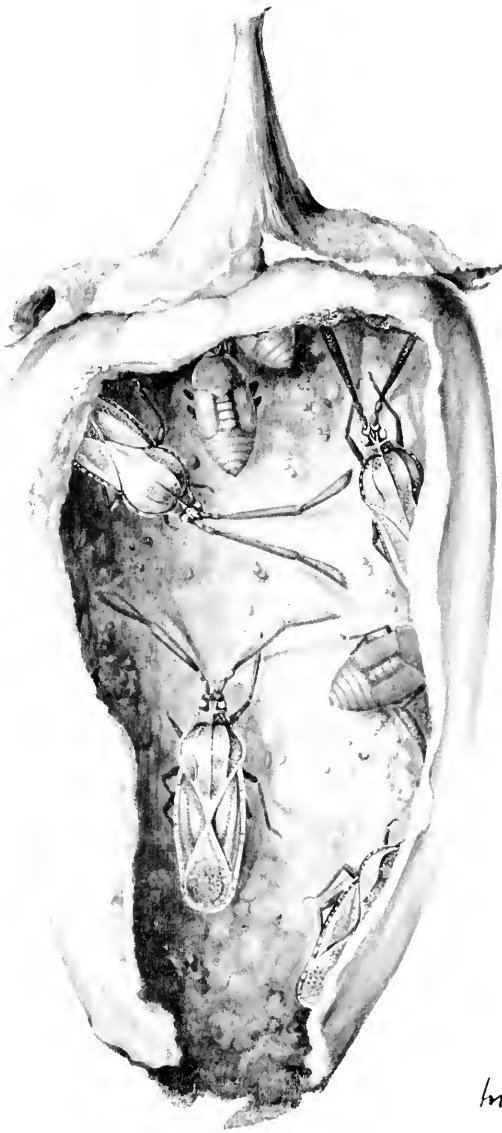
h. Lisa

Copium teucriti (Host), last nymphal instar

Floral cecidia of *Copium teucriti*, one side removed to expose in-mate

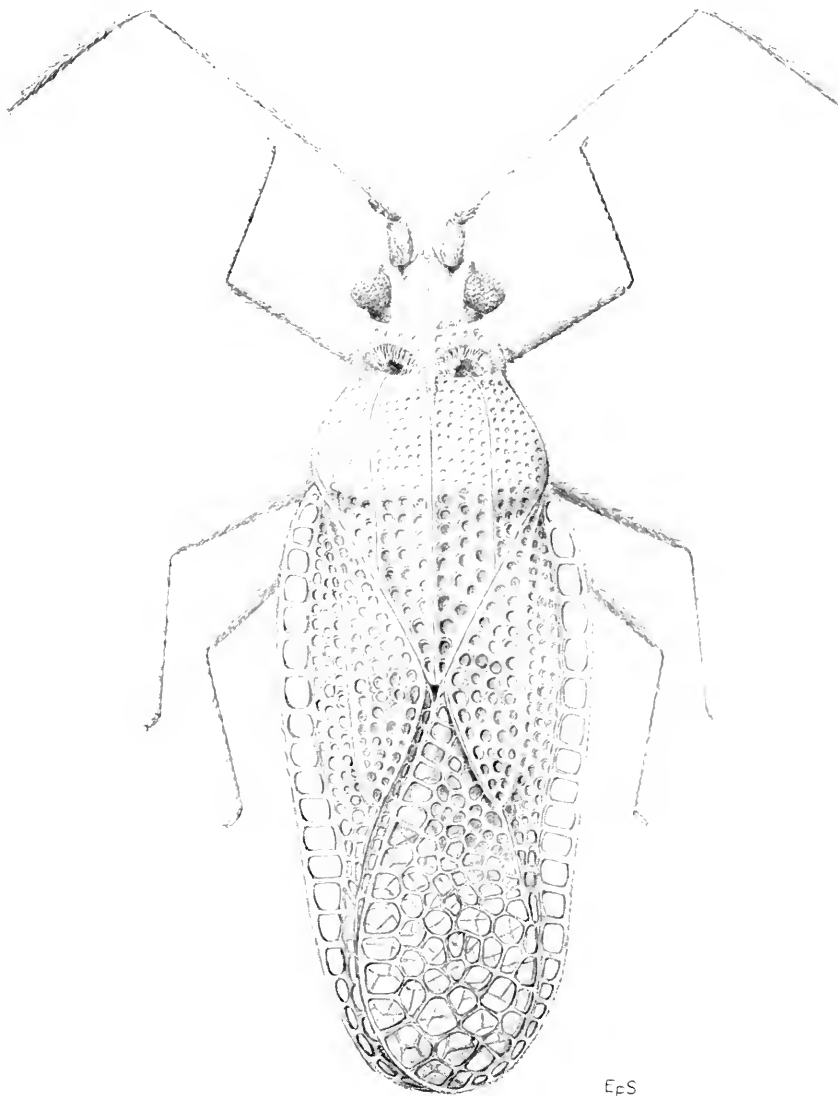


Paracopium hamadryas (Drake)

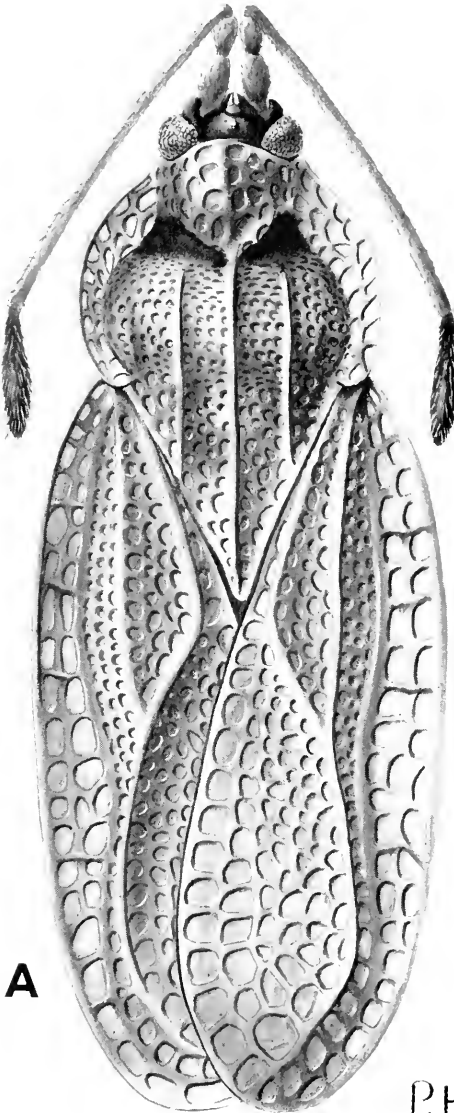


In. Lisa

Floral cecidium of *Paracopium hamadryas*, one side removed to show the seven inmates



Perissonemia eomeles Drake and Mohanasundaram



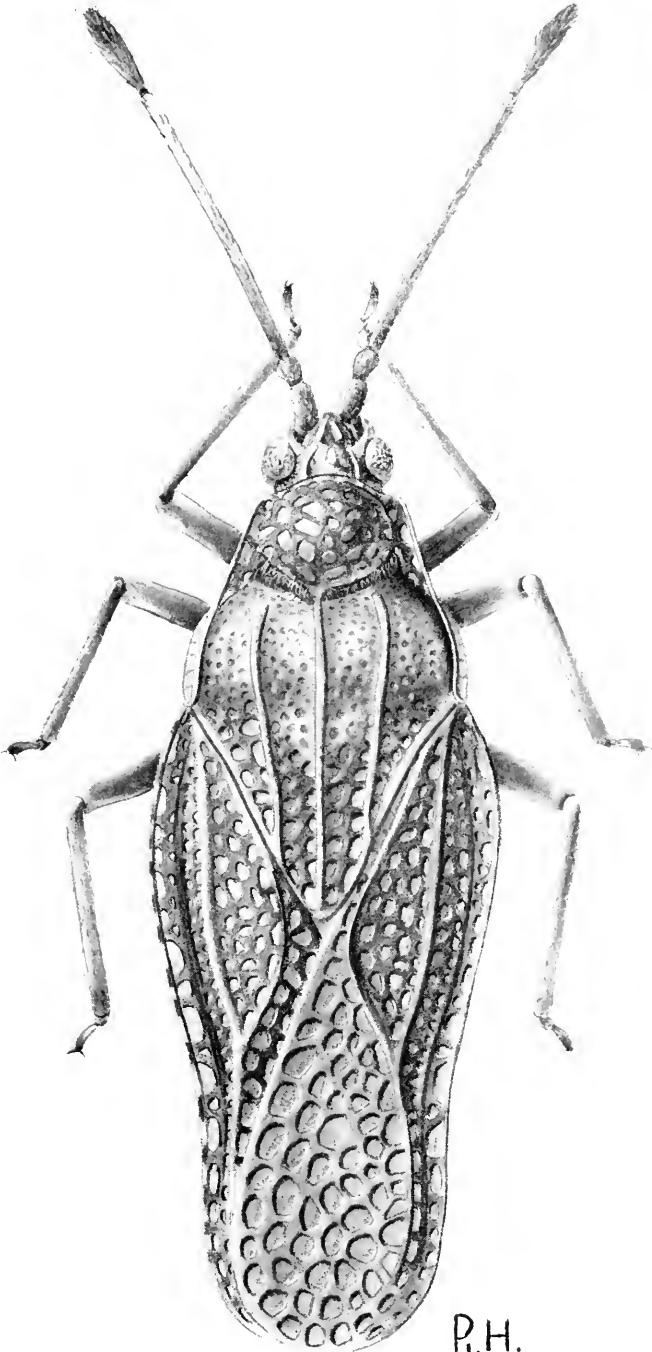
A



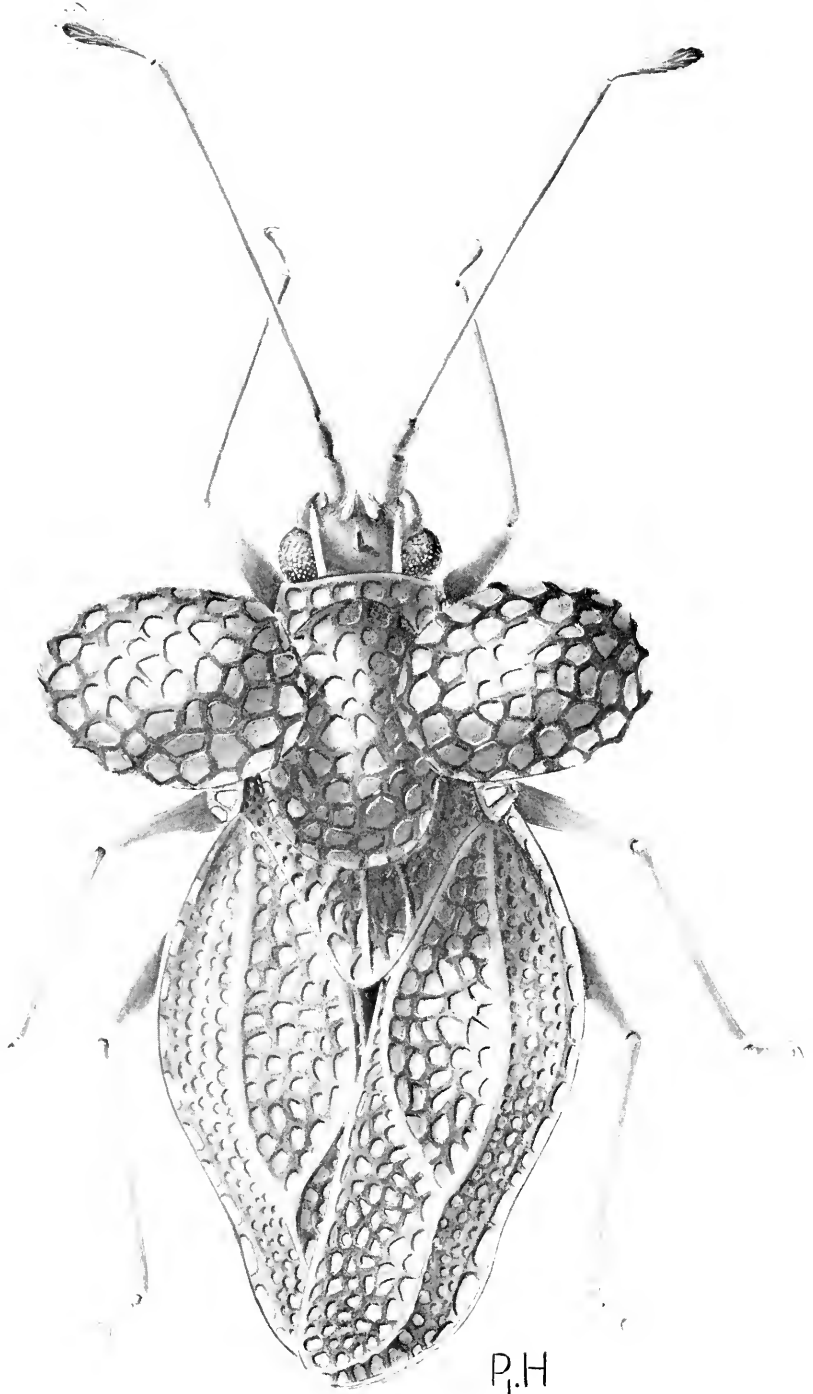
B

JH

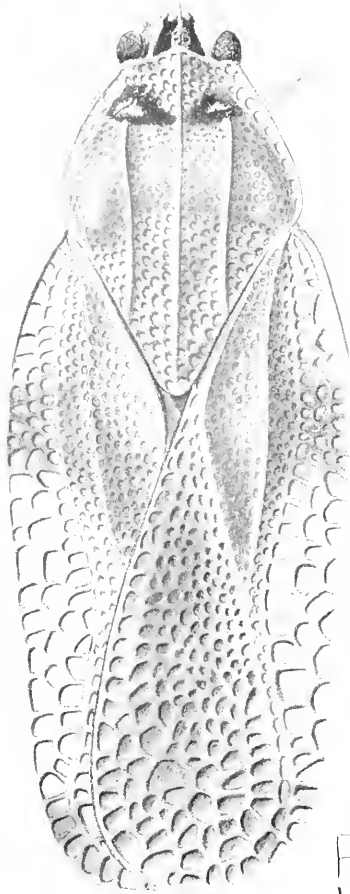
Dicrotingis digitalis (Drake)



Godotia evanida Drake

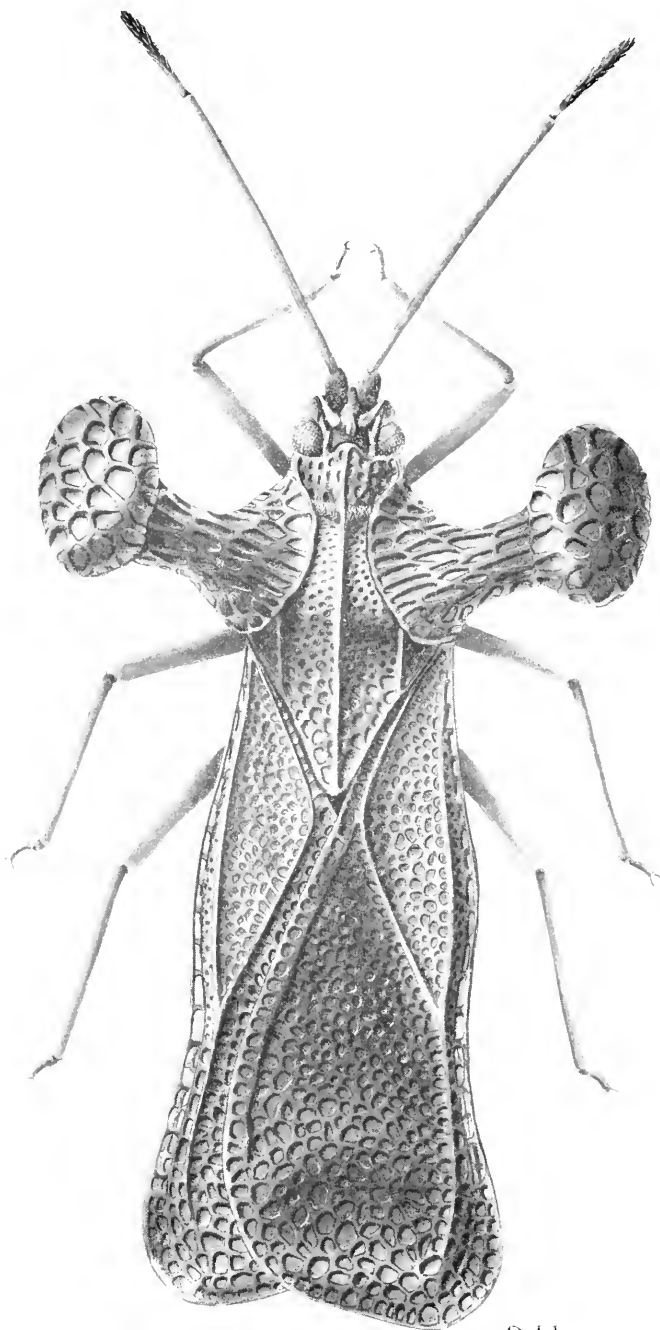


Diplocysta trilobata Drake and Poor



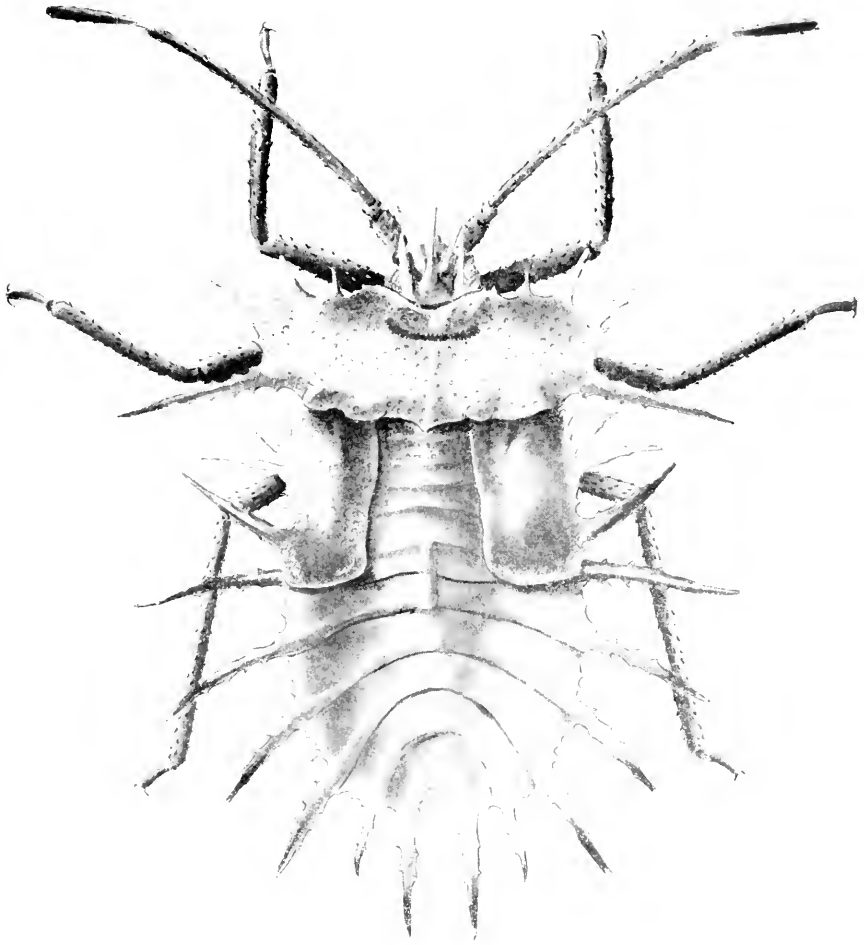
J.H.

Hegesidemus otiorus Drake

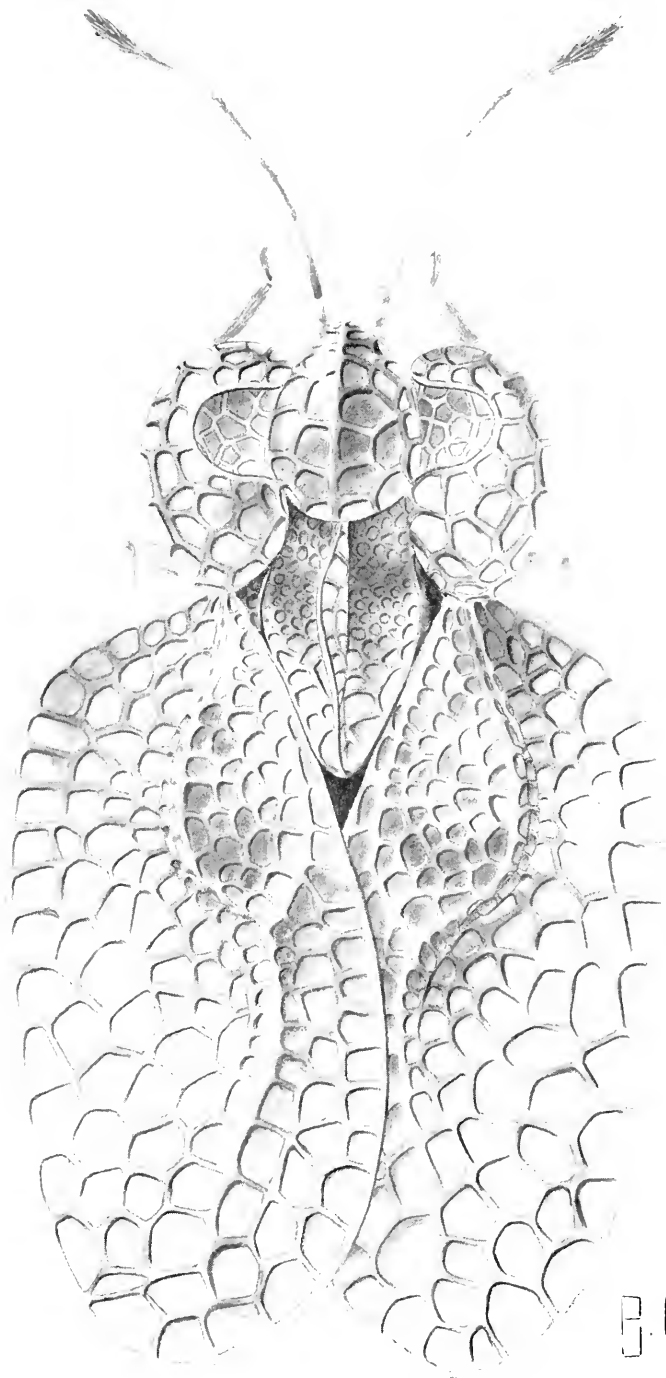


BH

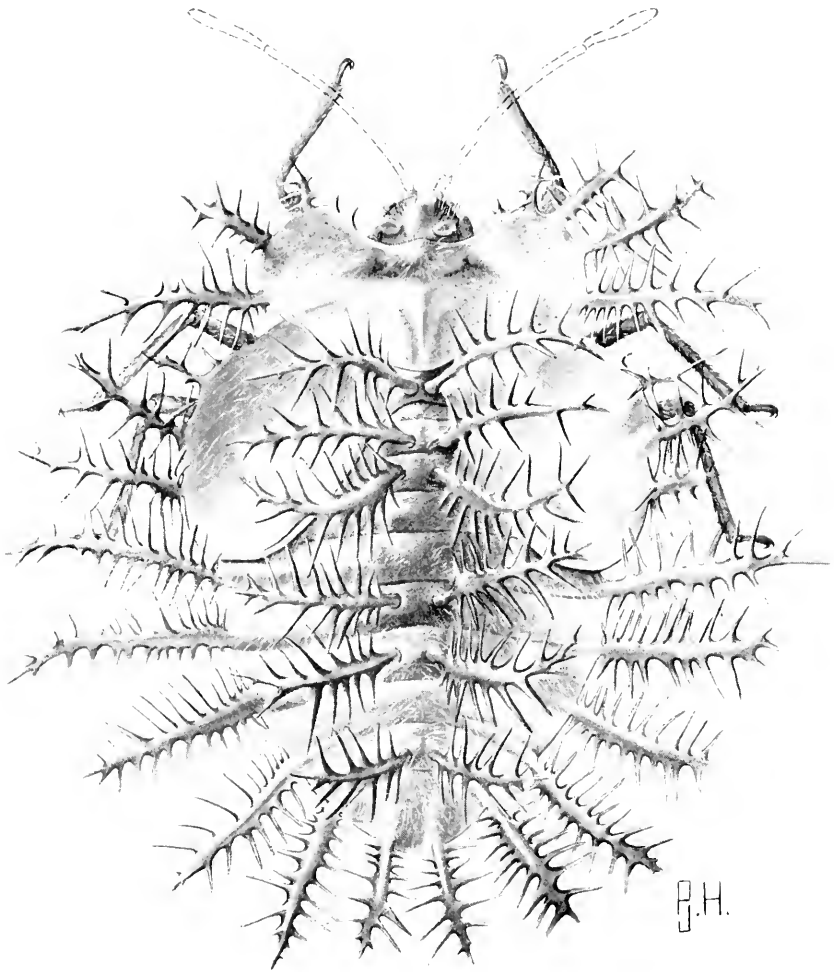
Diconocoris capusi (Horváth)



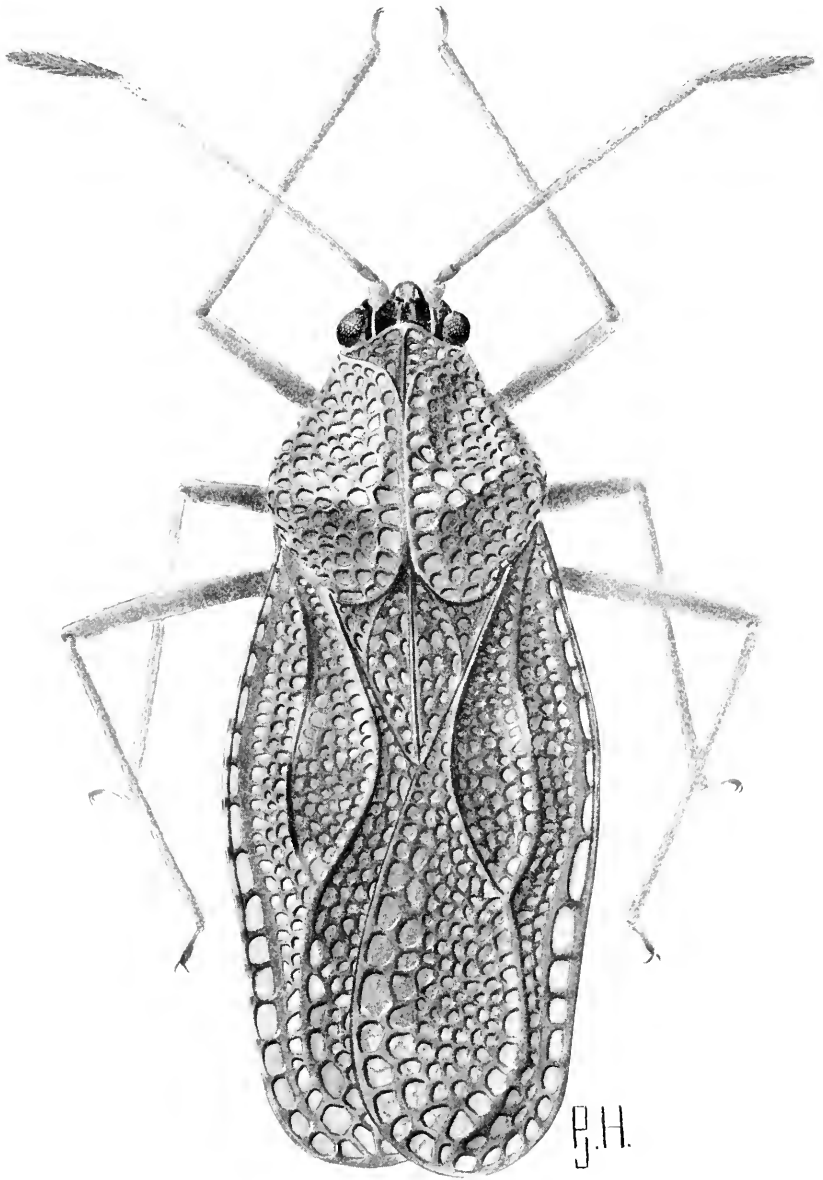
Diconocoris capusi (Horváth), last nymphal instar



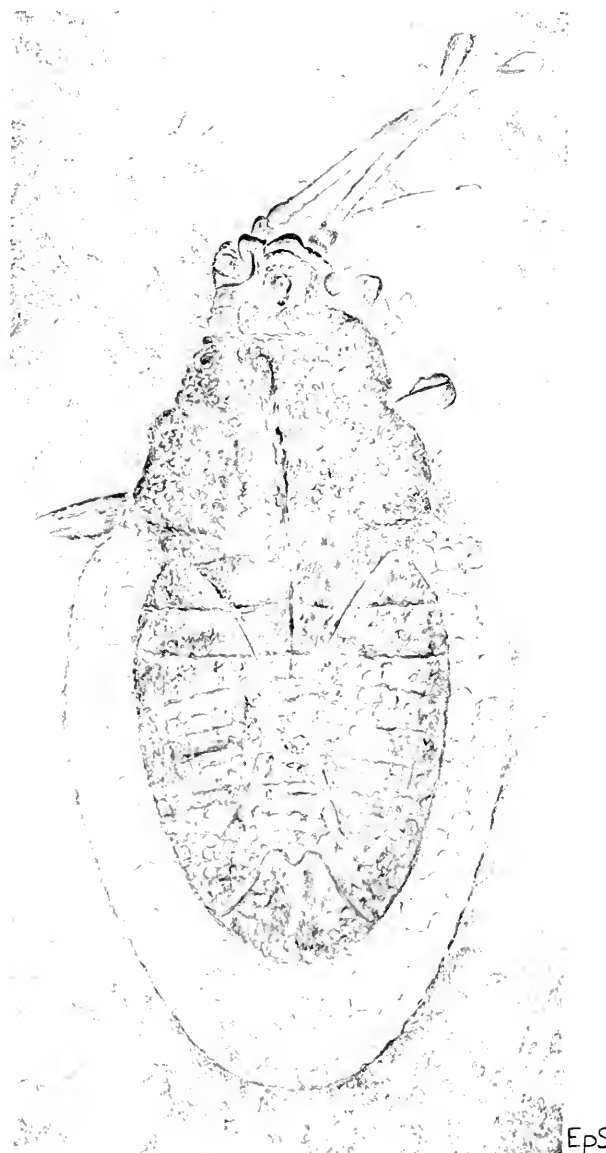
Australotingis franzeni Hacker



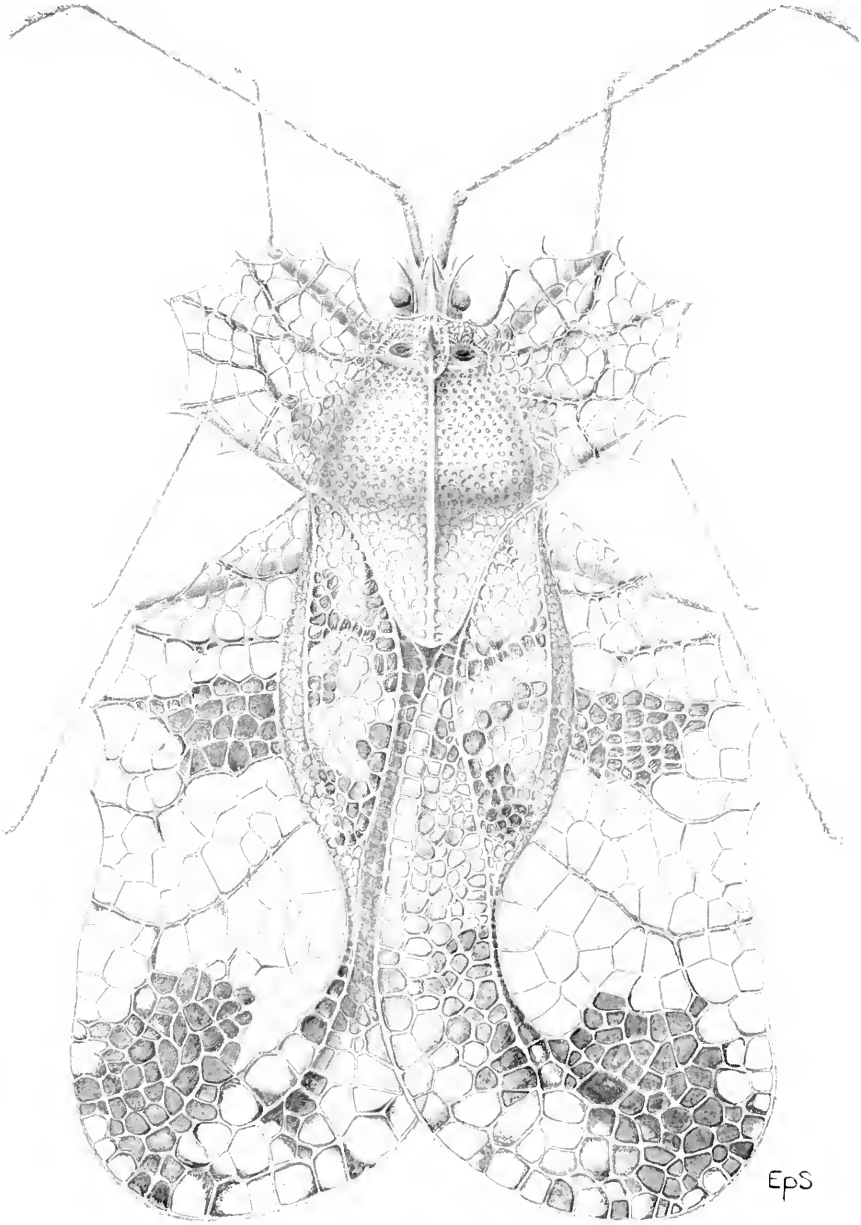
Australotising franzeni Hacker, last nymphal instar



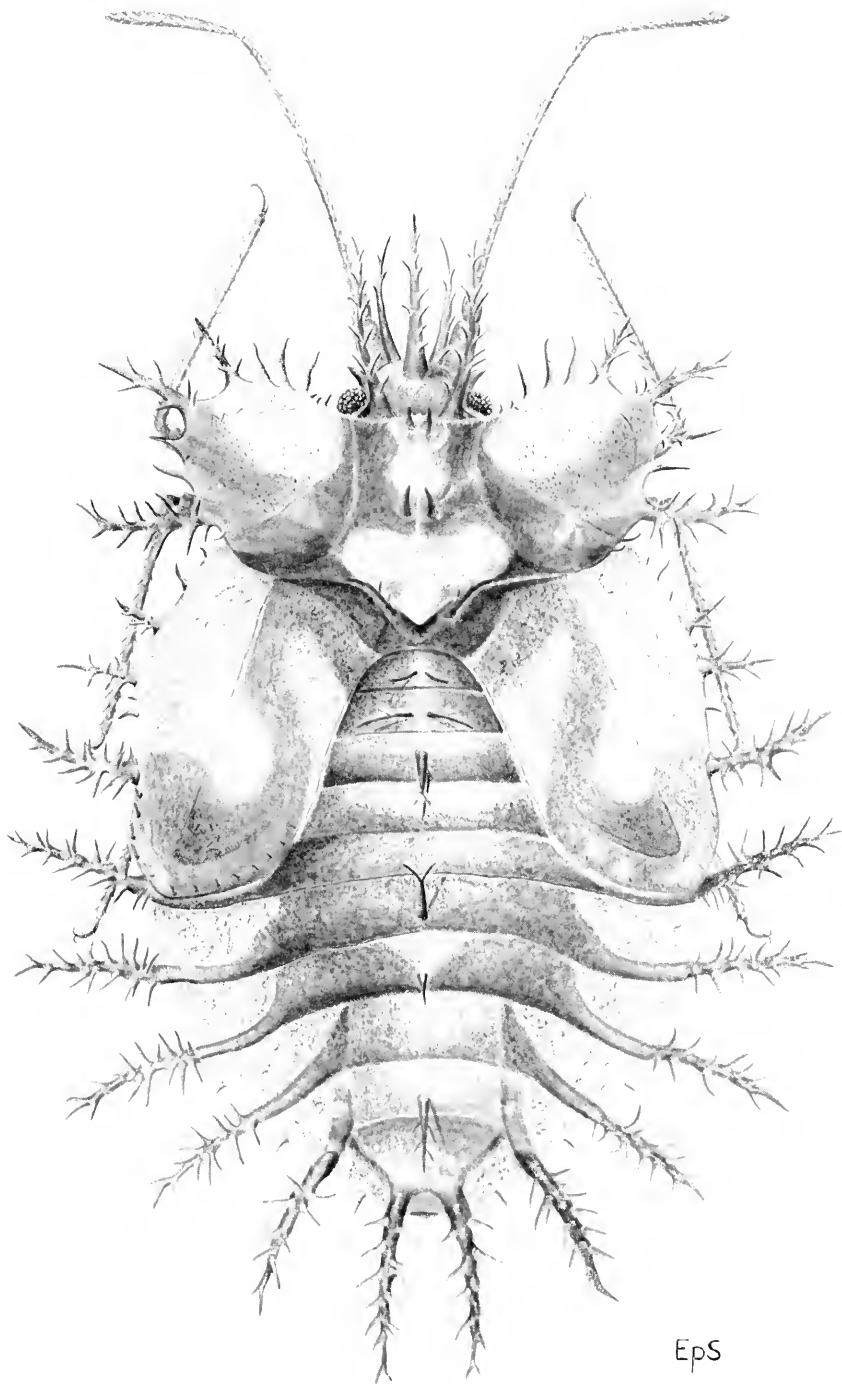
Dictyla picturata (Distant)



† *Dictyla veterna* (Scudder) (fossil in stone)

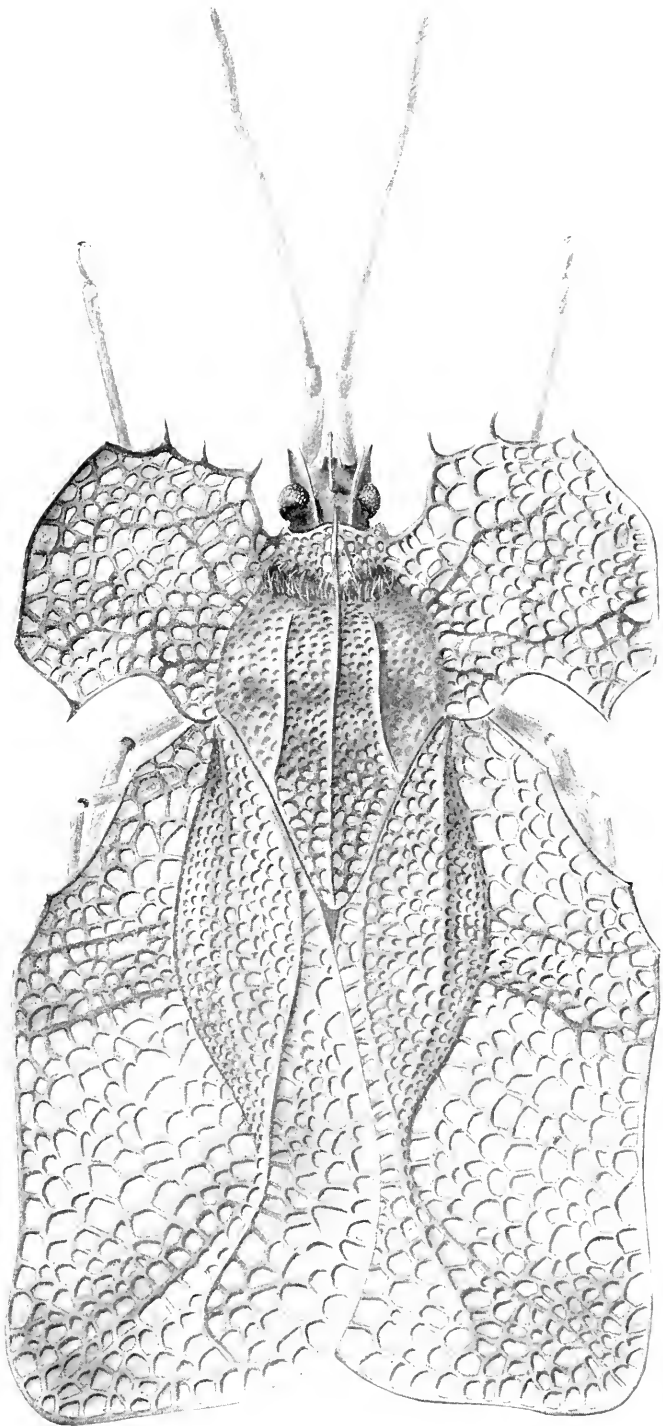


Ammianus alberti (Schouteden)

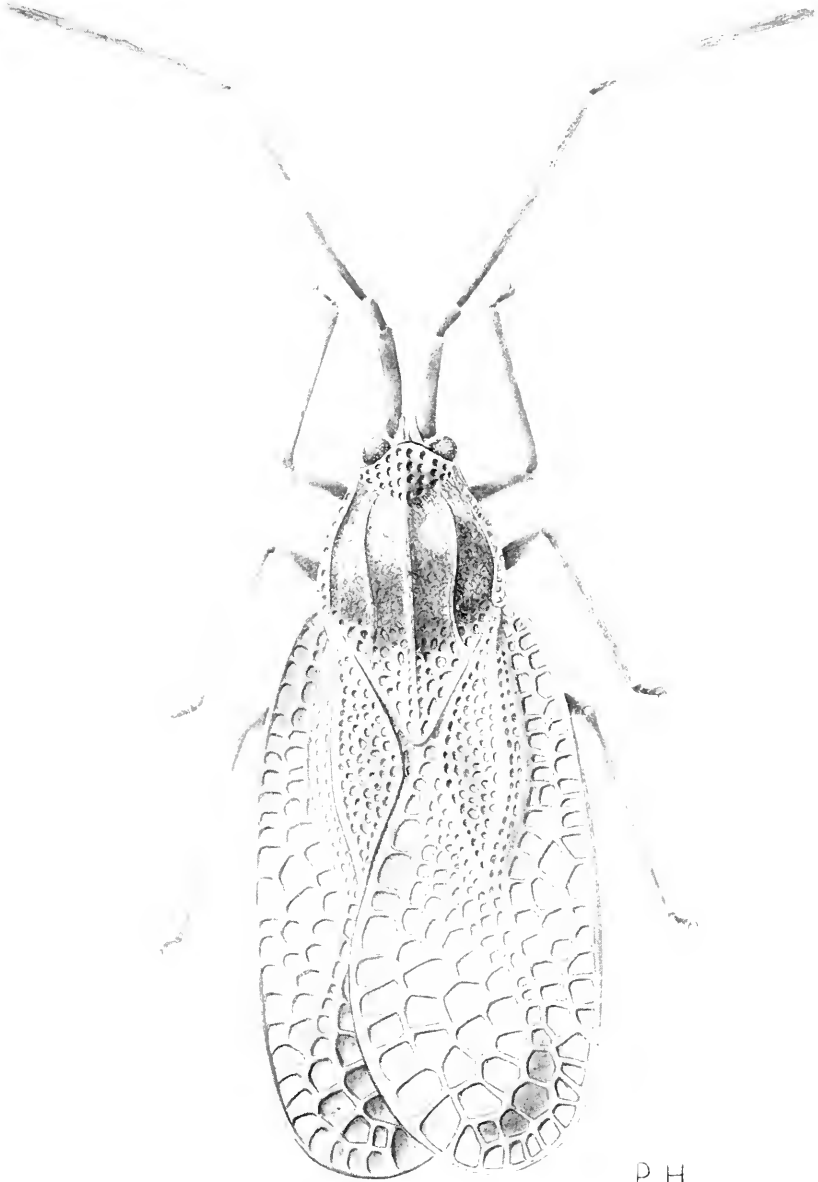


EpS

Ammianus alberti (Schouteden), last nymphal instar

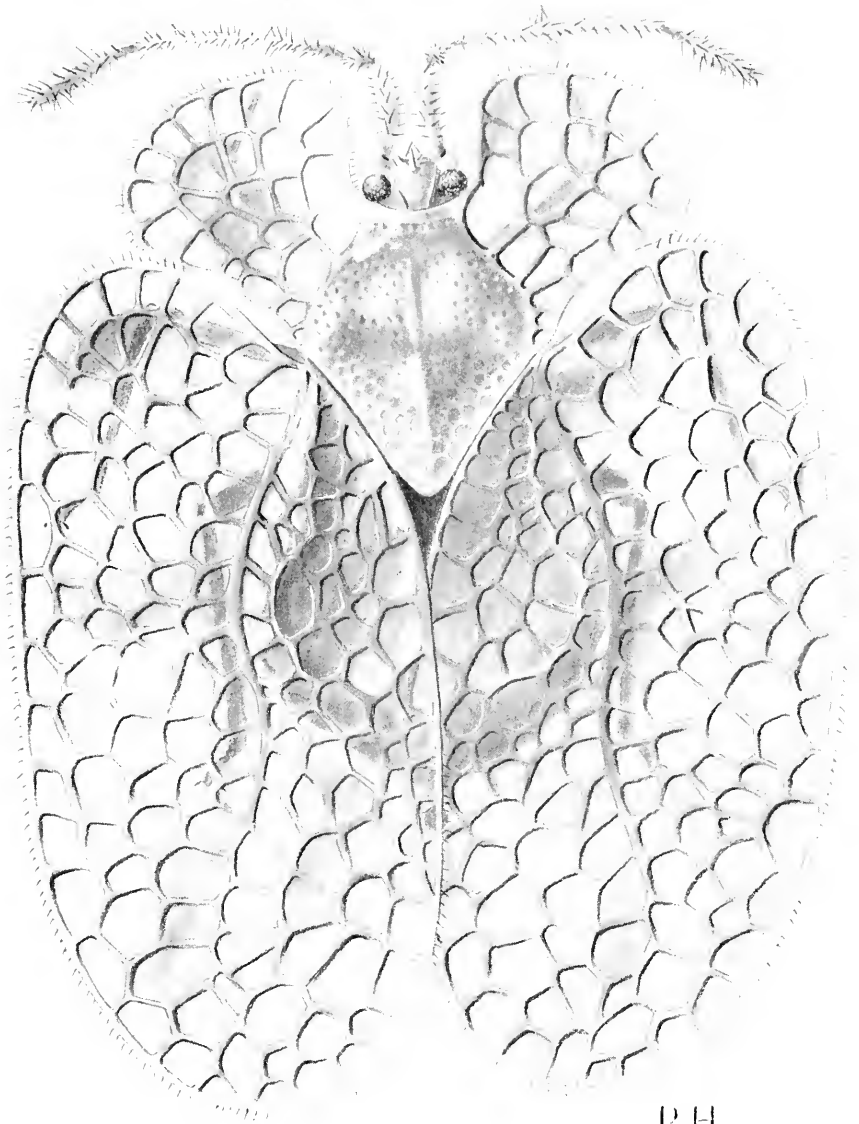


Ammianus dilatatus (Guérin-Méneville)



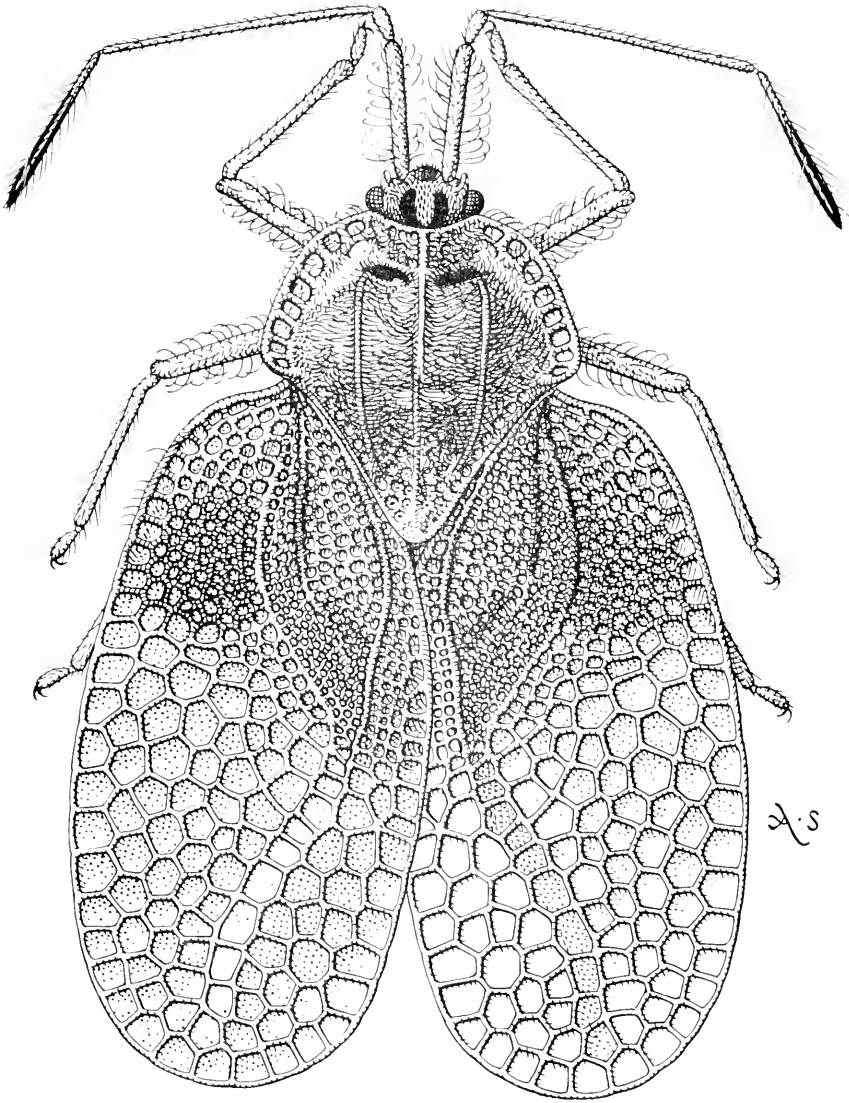
P, H

Mecopharsa hackeri Drake

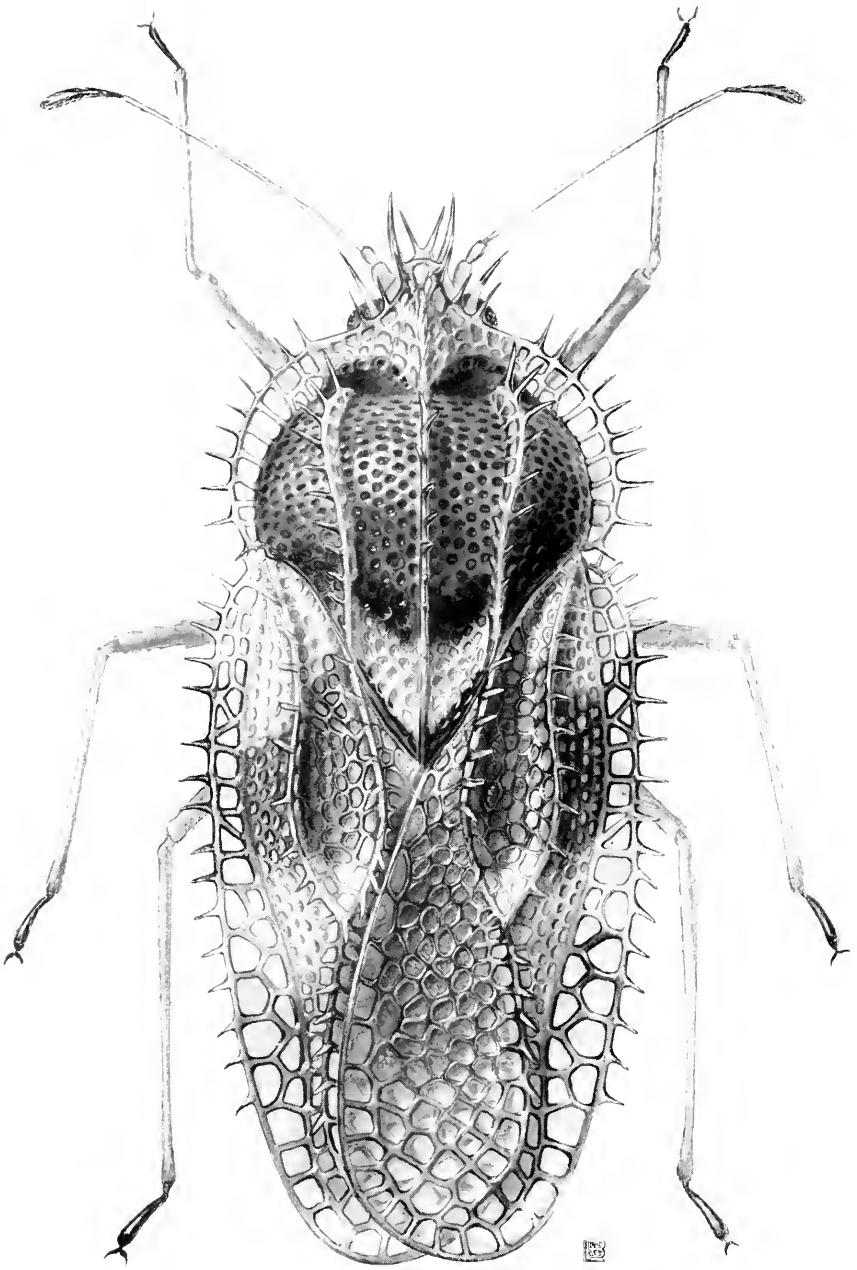


B.H.

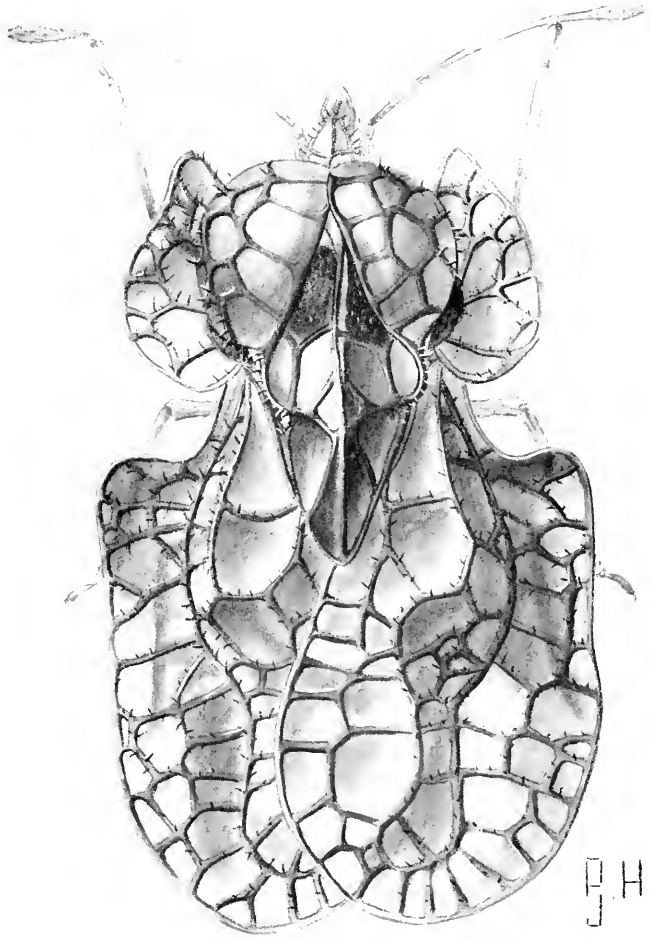
Planibyrsa montei Drake and Hambleton



Nobarnus signatus (Distant)

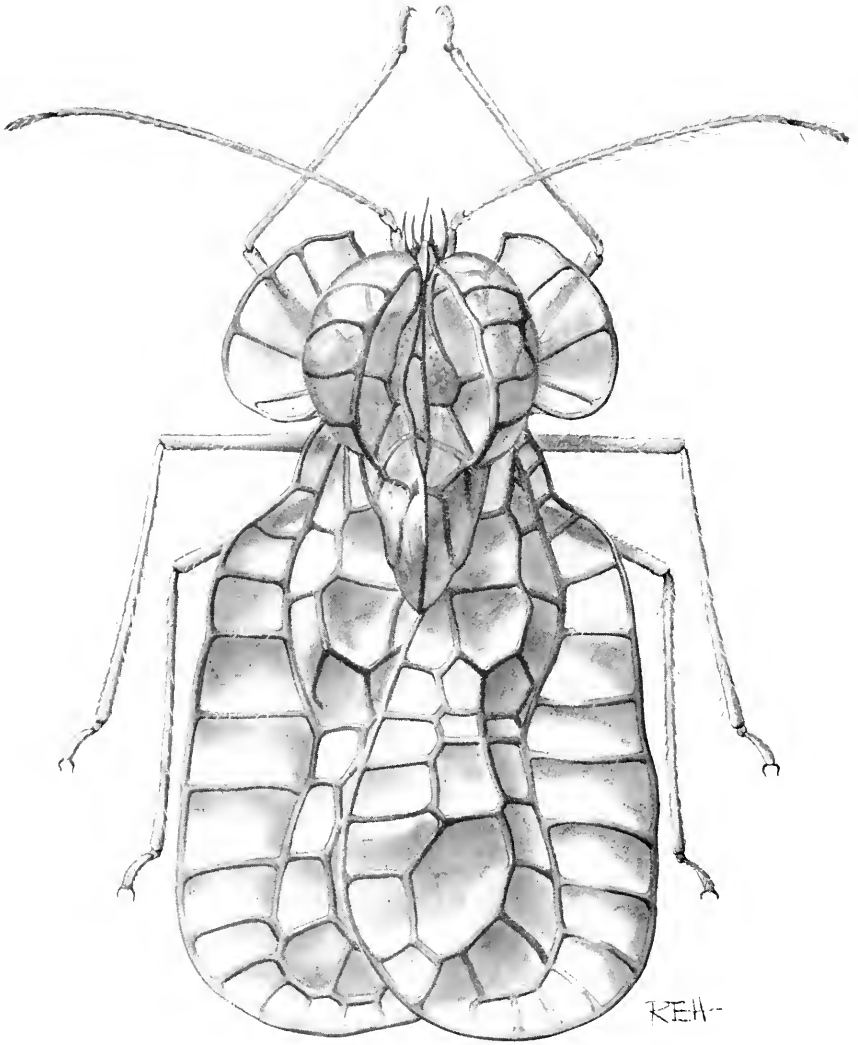


Inoma multispinosa Hacker

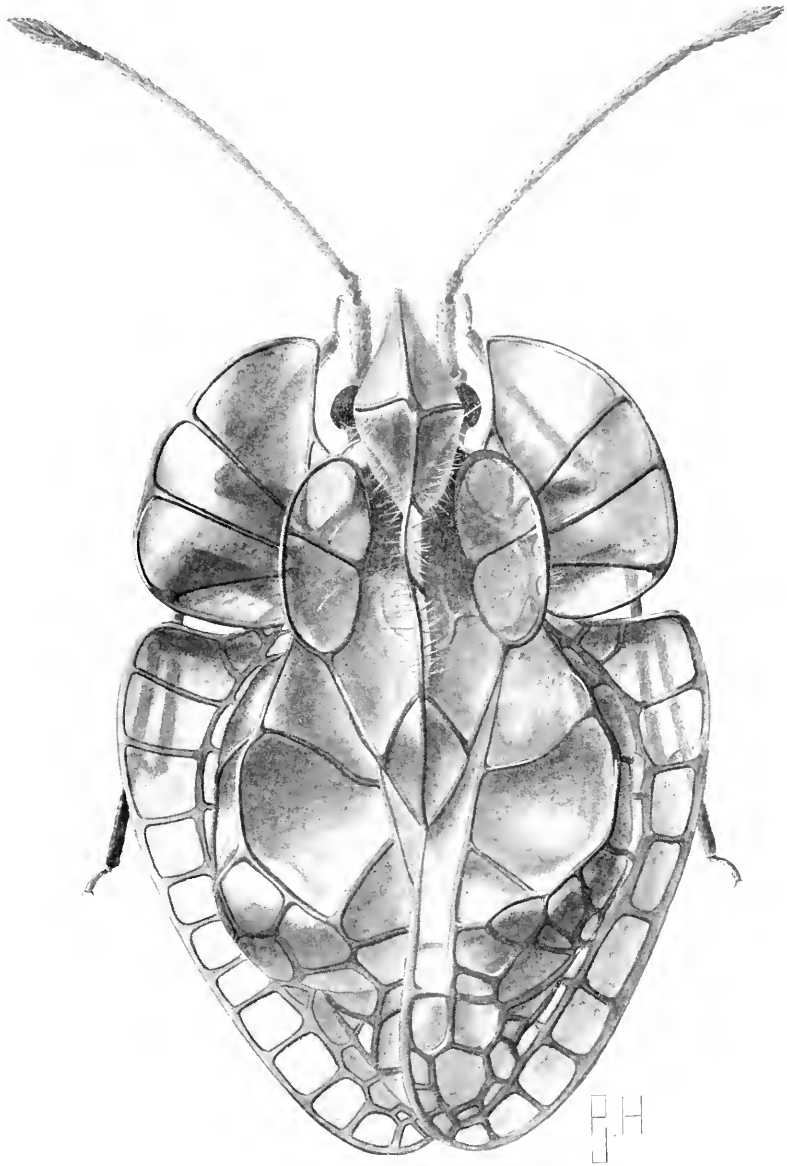


J. H.

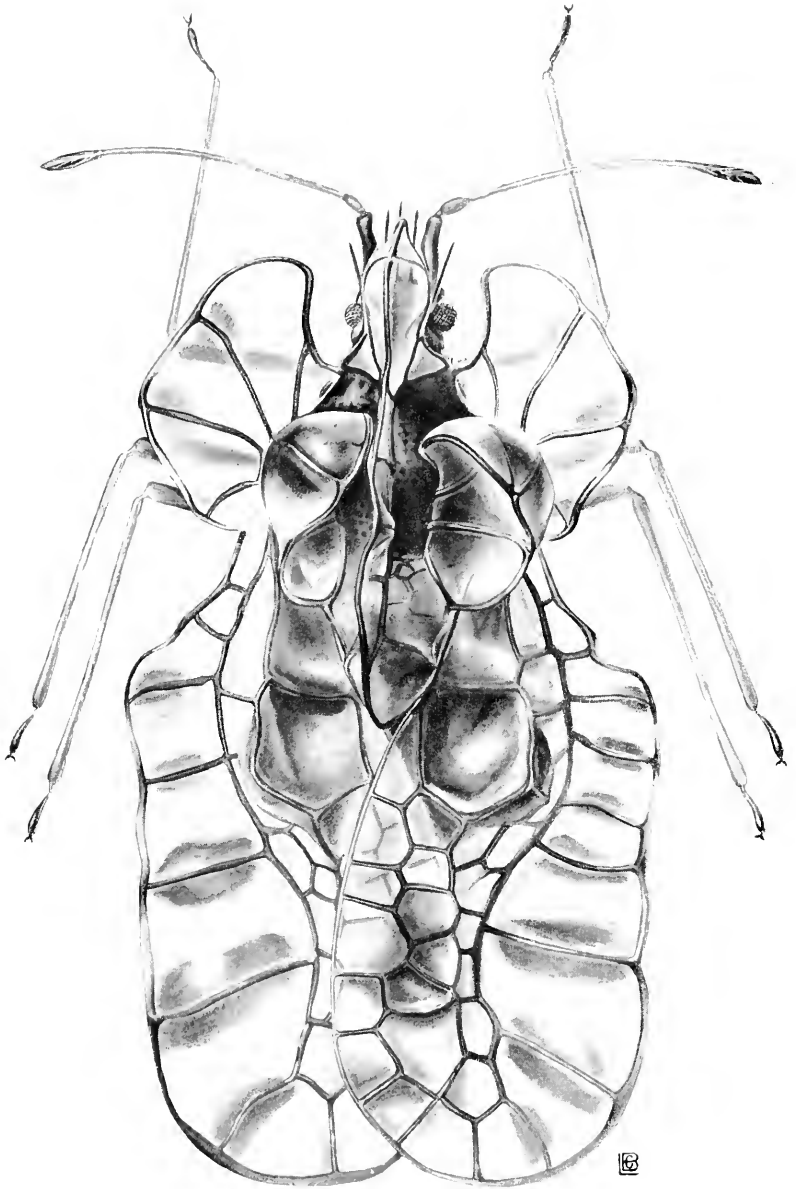
Hyalochiton colpochilus (Horváth)



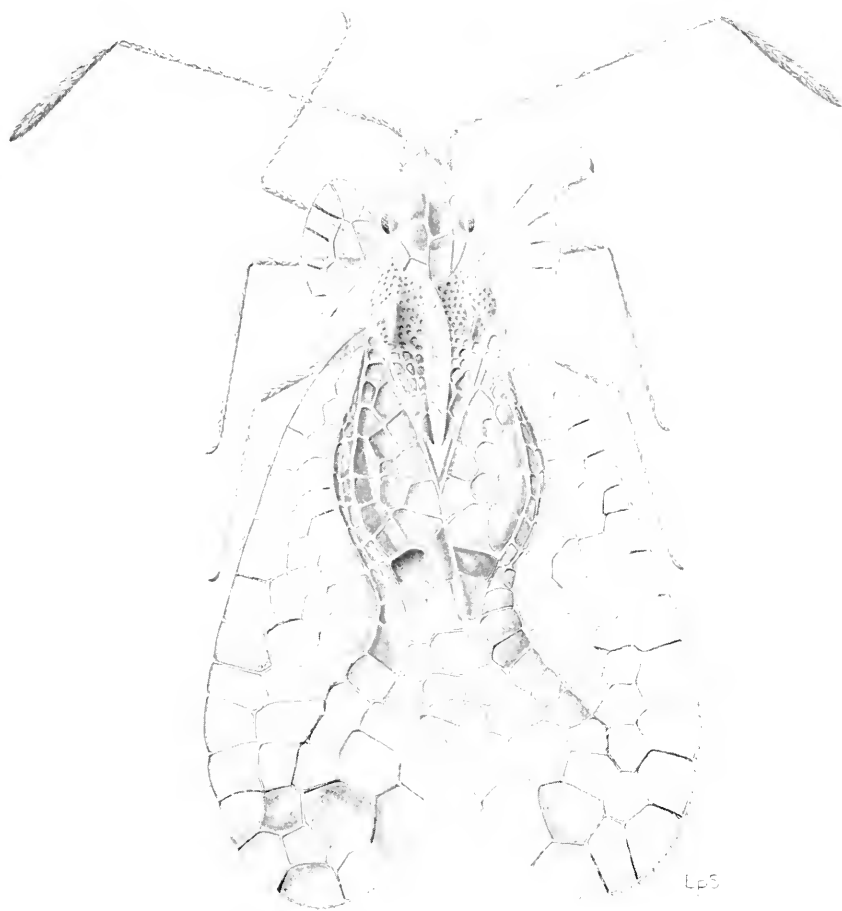
Galeatus spinifrons (Fallén)



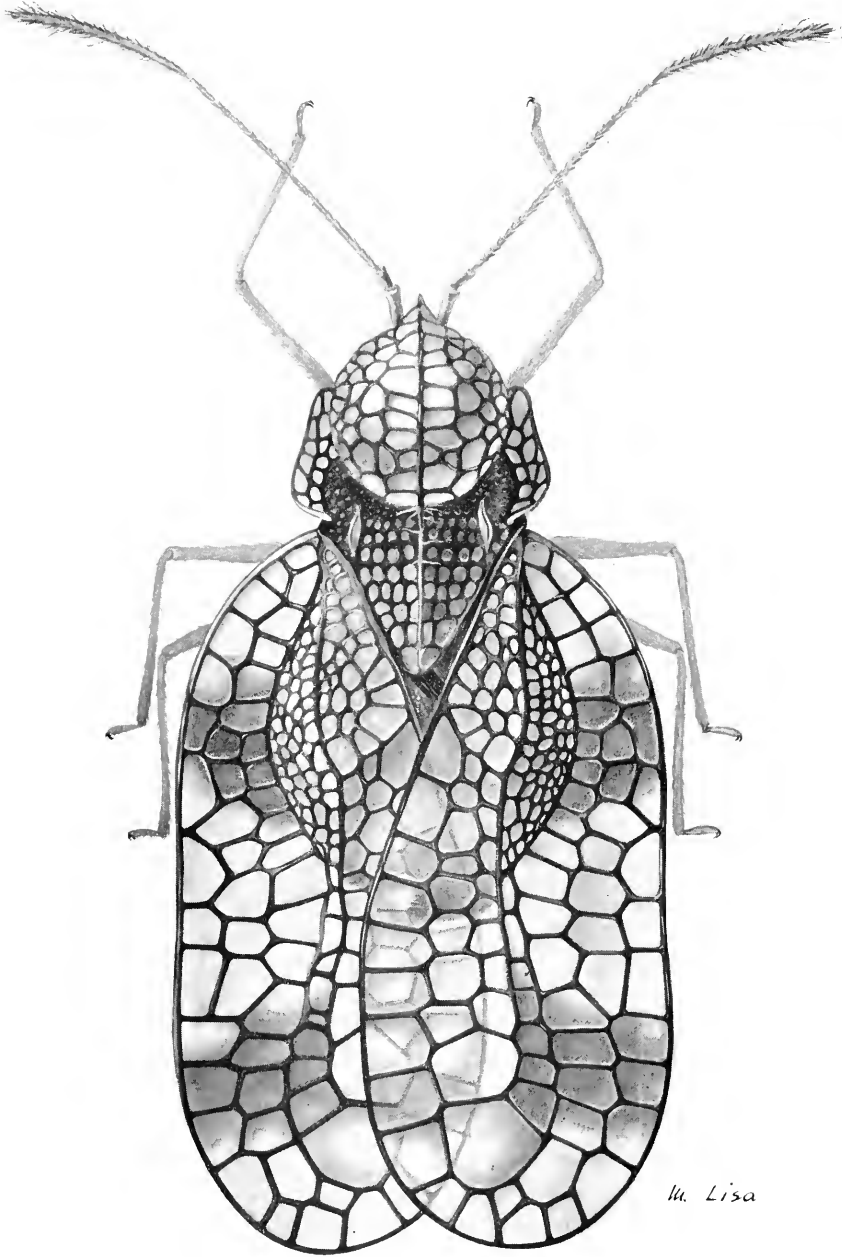
Galeatus sinuatus (Herrich-Schaeffer), brachypterous



Galeatus maculatus (Herrich-Schaeffer), macropterous

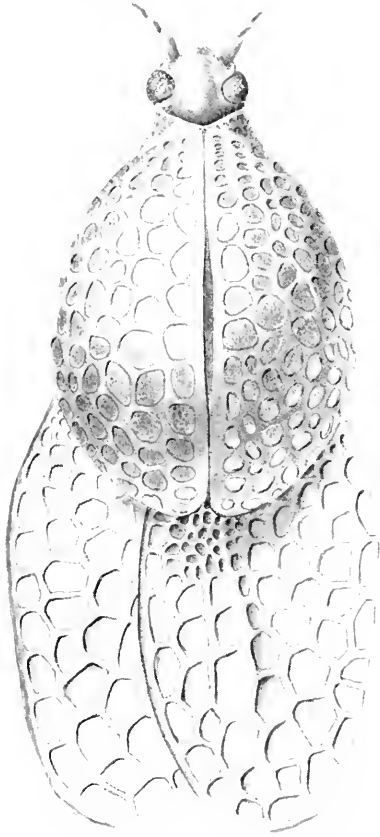


Stephanitis typica (Distant)



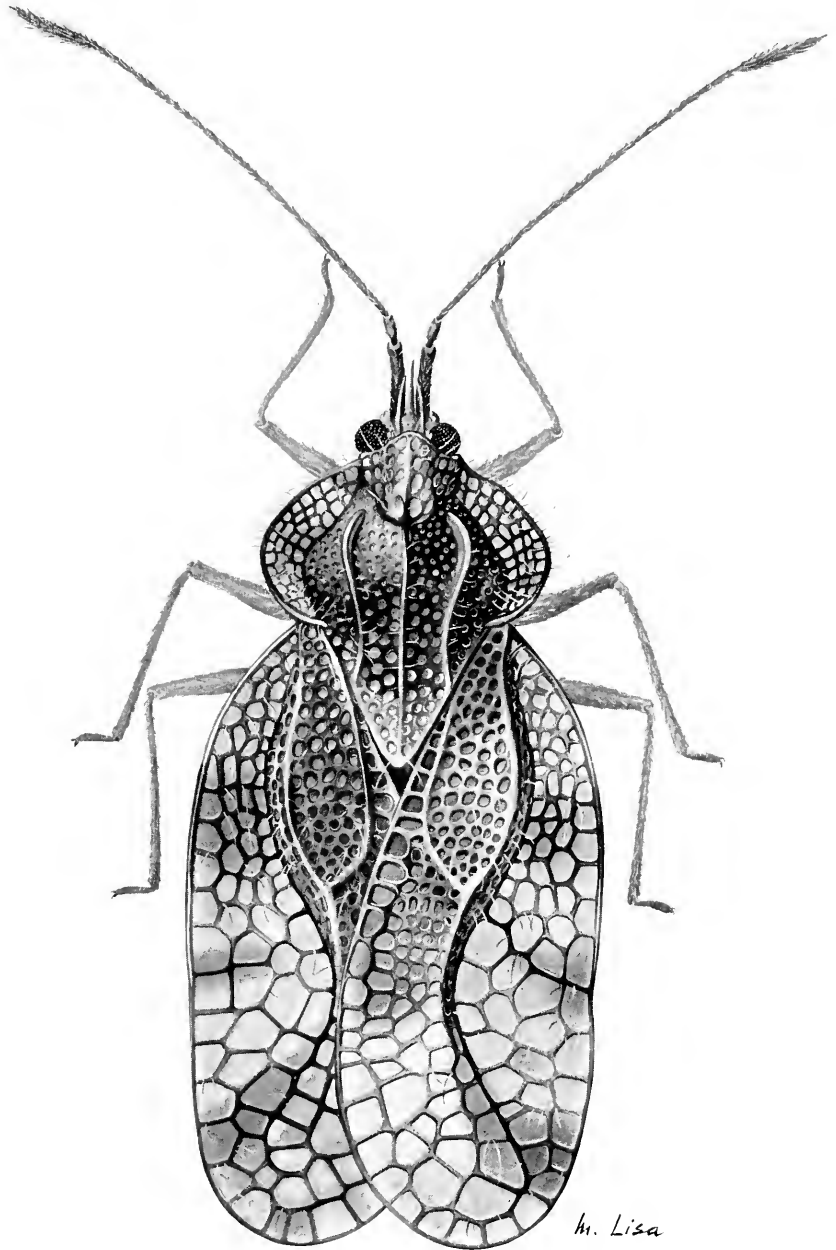
lu. Lisa

Stephanitis takeyai Drake and Maa

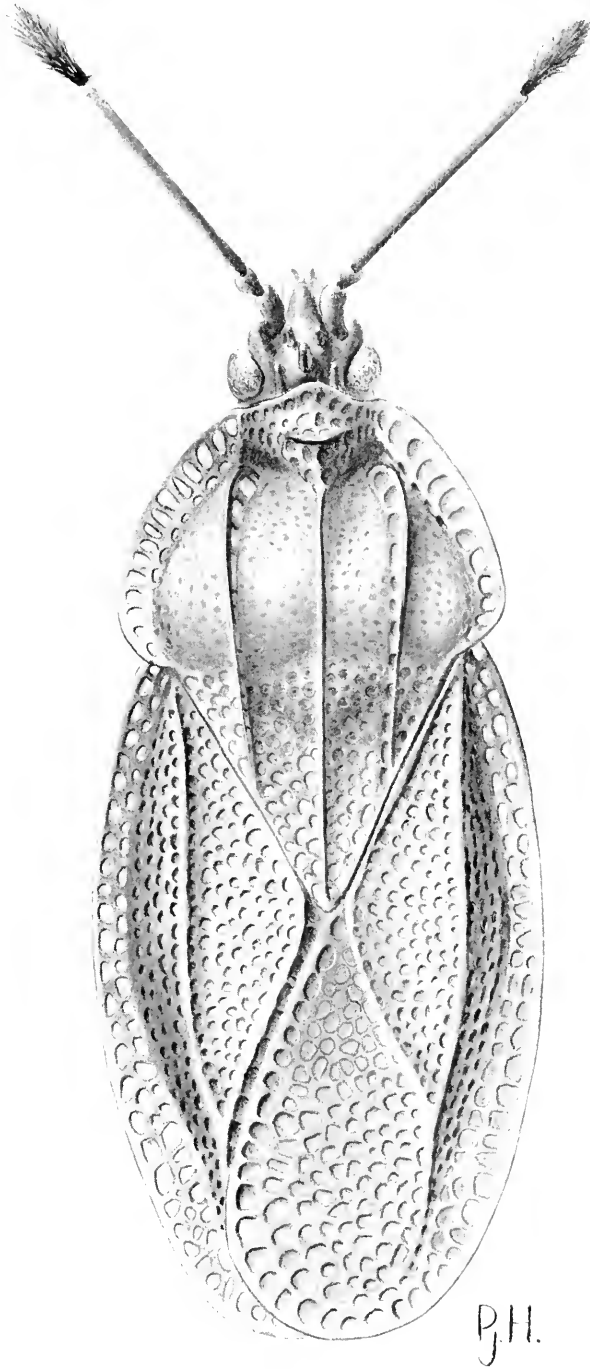


P.H.

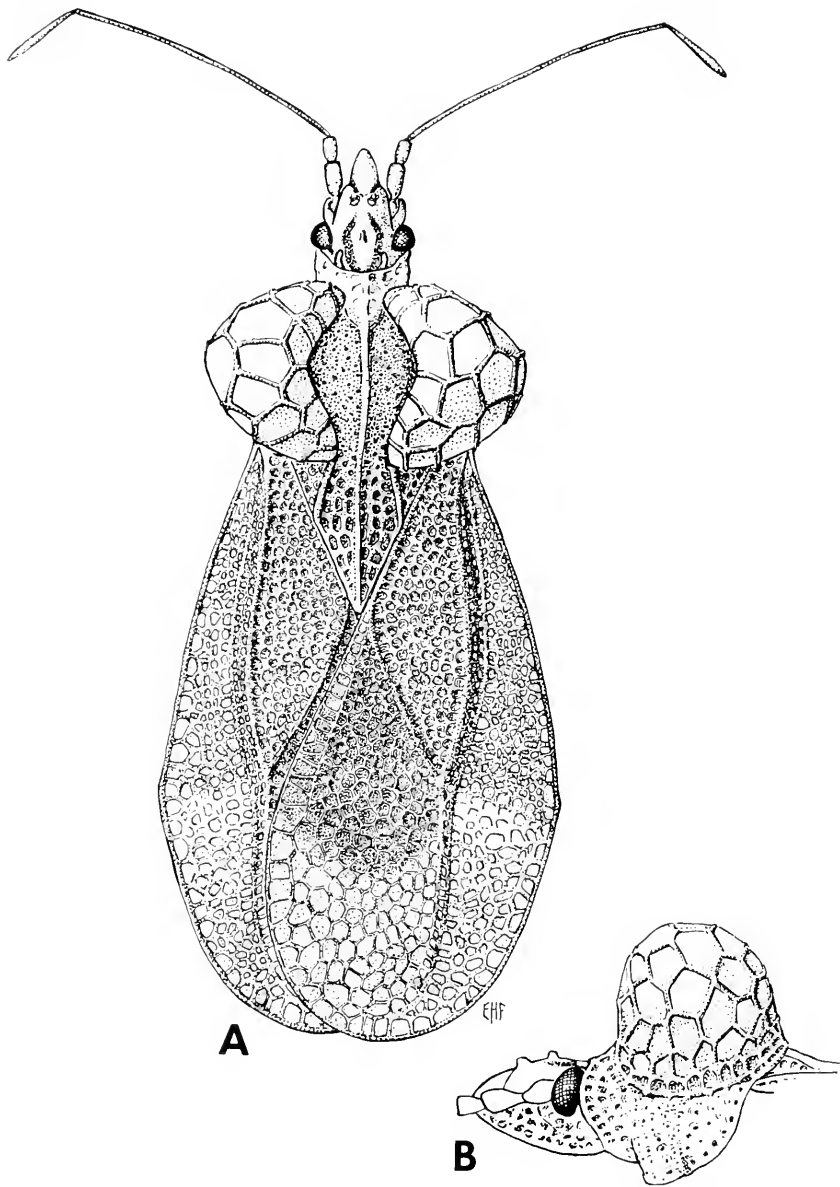
Holophygdon melanesica Kirkaldy



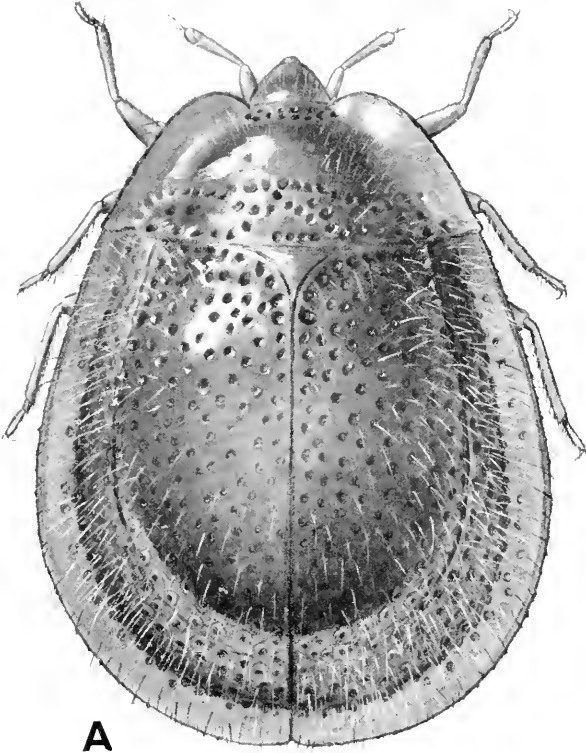
Gargaphia sororia Hussey



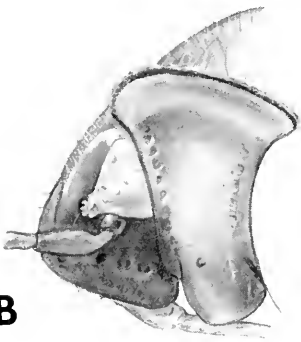
Chorotingis indigena Drake



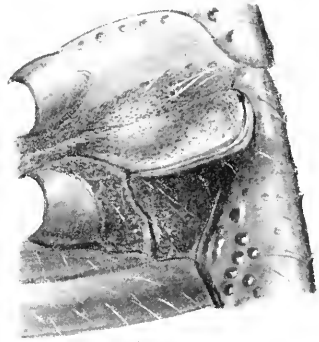
Ypsotingis luzonana Drake



A



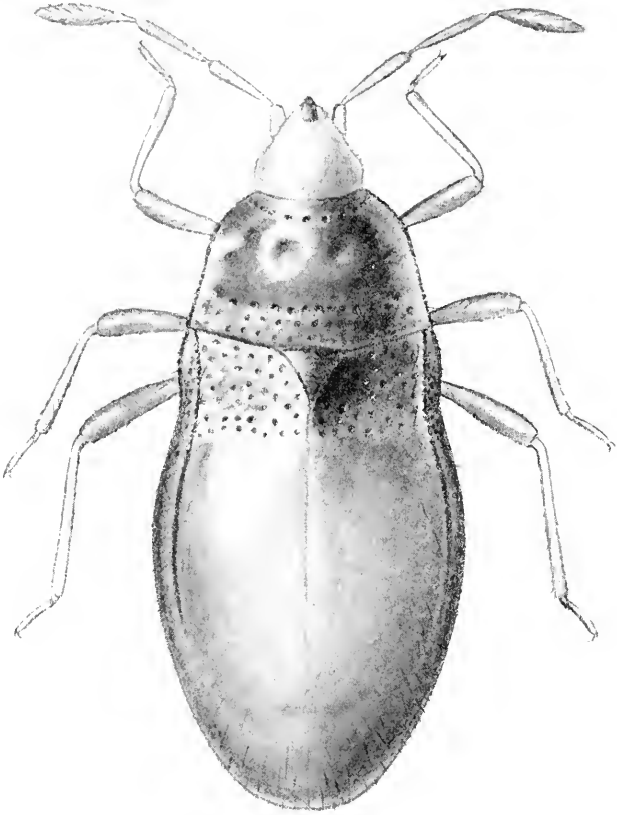
B



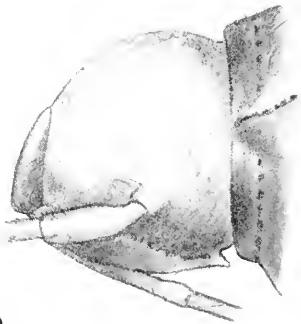
C

E.H. Fischer

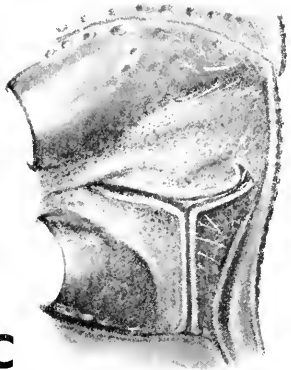
Thaumamannia manni Drake and Davis



A



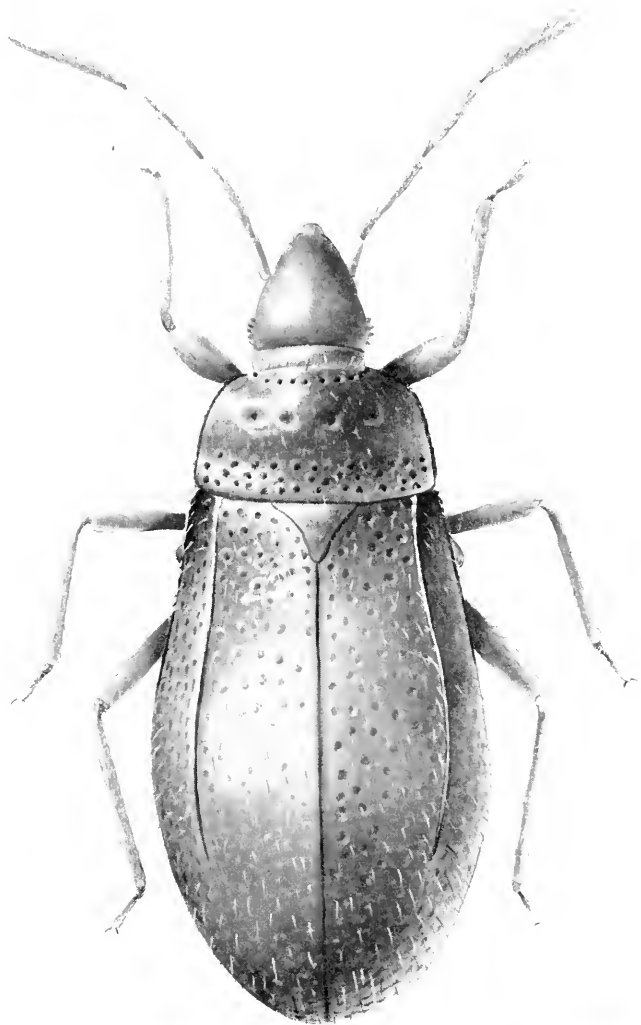
B



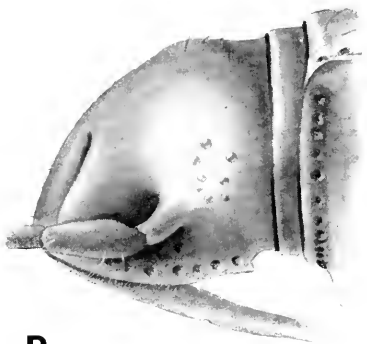
C

EHF

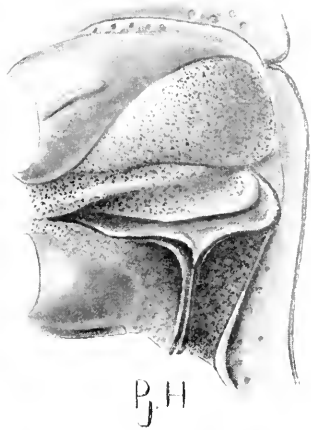
Anommatoris minutissimus China



A

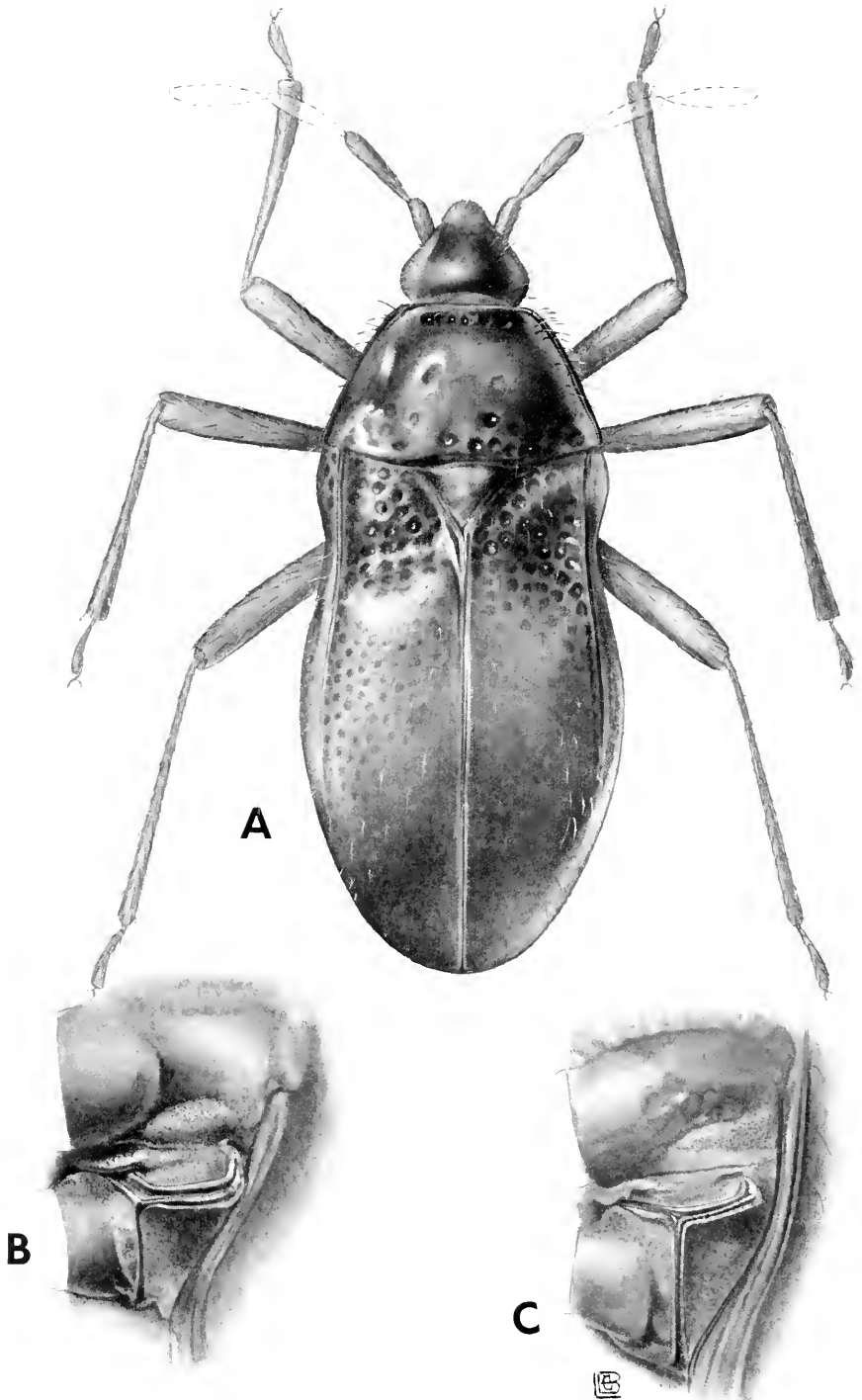


B



C

P.H.



A, B, *Anommatoris seteki* Drake and Froeschner, and C, *A. minutissimus* China

Species Wrongly Classified as Tingidae

A number of species belonging to other families of Hemiptera have been wrongly described as Tingidae, or later mistakenly included as such in the literature. For convenience in finding and correcting these errors, the technical names of such species are entered below in alphabetical sequence. The correct family status is given in the second column opposite the trivial name. The asterisk (*) indicates the name of the author who corrected the error in the literature. The generic and specific names are also included in the index.

<i>Agrammodes costatus</i> Uhler.—Van Duzee 1916, p. 26; 1917b, p. 223.—Banks 1910, p. 55.	Piesmatidae
<i>Copium guttatum</i> Thunberg 1825, p. 10.—*Stål 1870b, p. 157.	Coreidae
<i>Copium maculatum</i> Thunberg 1825, p. 8.—*Stål 1870b, p. 157.	Coreidae
<i>Copium serratum</i> Thunberg 1825, p. 9.—Fallén 1829, p. 153.—Burmeister 1835, p. 330.	Coreidae
<i>Cymus basicornis</i> Motschulsky.—Distant 1903b, p. 145.—*Bergroth 1921, p. 99.	Lygaeidae
<i>Lasiocera</i> Laporte 1833, p. 50.—*Fieber 1844, p. 21.	Reduviidae
<i>Maynea maynei</i> Schouteden.—Mayné and Ghesquière 1934, p. 20.	Aradidae
<i>Metatropis aurita</i> Breddin.—Zool. Rec. 1907, p. 380.	Berytidae
<i>Opisthochasis albocostata</i> Berg 1884, p. 100.—Pennington 1921, p. 20.—*Drake and Poor 1938a, p. 103, fig. 1.	Miridae
Phyllogasterotinginae Menon and Hakk 1959a, p. 392 [nom. nud.].—Menon, Beri and Singh 1959, p. 286.	Coreidae
<i>Phyllogasterotingis acheranthi</i> Menon and Hakk 1959a, p. 392 [gen., sp., nom. nud.].—Menon, Beri and Singh 1959, p. 286.	Coreidae
<i>Phyllotingis arida</i> Walker 1873b, p. 3.—Lethierry and Severin 1896, p. 5.—*Champion 1898b, p. 5.	Aradidae
† <i>Tingiopsis reticulata</i> Bekker-Migdisova 1953, p. 461, fig. [fossil].—*Evans 1957, p. 289, fig. 6e.	Cercopidae
<i>Tingis alata</i> (Fabricius).—Fabricius 1803, p. 125.	Aradidae
<i>Tingis virescens</i> (Fabricius).—Fabricius 1803, p. 127.—Fieber 1844, p. 109.	Lygaeidae

Types and Their Locations

An endeavor has been made to record, whenever possible, pertinent data relative to the type (holotype or lectotype) of all species. These data include locality (as published in original description without change in geographic name), form (pterygopolymorphic), sex (male or female), and present deposition of the type specimen. When such information was not included in the original description or subsequent publications, the data on locality, wing development, and sex were obtained insofar as possible from the type specimens and labels thereon. When the type specimen is apparently "lost" or no information available on sex, or type locality, the term "unknown" is used.

As heretofore recorded in the pages, tingid types are lodged in museums, other institutions, and private collections in many countries. The full name and address of the museum or institution (including private collections) to which the abbreviations refer are as follows:

Amer. Mus.	American Museum Natural History, New York City, New York
Argentina Mus.	Museo Argentina de Ciencias Naturales, Buenos Aires, Argentina
Austr. Mus.	Australian Museum, Sydney, Australia
Berlin Mus.	Humboldt-Universität zu Berlin Zoologisches Museum, Berlin, Germany
Bishop Mus.	Bernice P. Bishop Museum, Honolulu, Hawaii
British Mus.	British Museum (Natural History), London, England
Brussels Mus.	Institut Royal des Sciences naturelles de Belgique, Brussels, Belgium
Bucharest Mus.	Muzel de Istorie Naturala, Bucharest, Rumania
Cal. Acad.	California Academy of Sciences, San Francisco, California
Canada. Coll.	National Collection, Entomological Branch, Ottawa, Canada
Carnegie Mus.	Carnegie Museum, Pittsburgh, Pennsylvania
Cent. Afr. Mus.	Musée Royal de l'Afrique Centrale, Tervuren, Belgium (formerly Musée du Congo Belge)
Copenhagen Mus.	Universitets Zoologiske Museum, Copenhagen, Denmark
Cornell Univ.	Cornell University, Ithaca, New York
Coryndon Mus.	Coryndon Museum, Nairobi, Kenya
Drake Coll.(USNM)	Carl J. Drake Collection (United States National Museum)

Ent. Agr. Brazil	Servico de Entomologia Agricola do Instituto Biologico de Defesa Agricola, Rio de Janeiro, Brazil
Florida Univ.	University of Florida, Gainesville, Florida
Frankfort Mus.	Senckenbergische Naturforschende Gesellschaft, Frankfort a.M., Germany
Genova Mus.	Museo Civico di Storia Naturale, Genova, Italy
Hamburg Mus.	Zoologische Staatsinstitut und Zoologische Museum, Hamburg, Germany
Hawaii. Sugar Plant. Assn.	Hawaiian Sugar Planters Association, Honolulu, Hawaii
Helsin. Mus.	Kansaiimuseo, Helsinki, Finland
Heude Mus.	Museum Heude, Shanghai, China
Horn Coll.	Deutsches Entomologisches Institut, Berlin, Germany
Hungarian Mus.	Magyar Nemzeti Museum, Budapest, Hungary
Indian Mus.	Zoological Survey of India, Calcutta, India
Inst. Ent. Madrid	Instituto Español de Entomologica, Madrid, Spain
Inst. Fr. Afr. N.	Institut Francais d'Afrique Noire, Dakar, Senegal
Keil Coll.	In Copenhagen Museum
Kyushu Univ.	Kyushu Imperial University, Fukuoka, Japan
La Plata Mus.	Instituto del Museo de la Universidad Nacional de La Plata, La Plata, Argentina
Leiden Mus.	Rijksmuseum van Natuurlijke Historie, Leiden, Netherlands
Leningrad Inst.	Zoological Institute of Academy of Sciences, Leningrad, U.S.S.R.
Lingnan Surv.	Lingnan Natural History Survey, Canton, China
Lund Zool. Inst.	Zoological Institute, Lund University, Lund, Sweden
Lyon Mus.	Museum des Sciences Naturelles des Lyon, Rhone, France
Madagascar Sci. Inst.	Institut de Recherche Scientifique de Madagascar, Tenanarive, Malagasy Republic
Mancini Coll.	C. Mancini Collection in Genova Museum
MCZ	Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts
Michigan Univ.	Museum of Zoology, University of Michigan, Ann Arbor, Michigan
Monte Coll. (Mus. Nacional)	O. Monte Collection (Museum Nacional, Rio de Janeiro, Brazil)
Moscow Univ.	University of Moscow, Moscow, U.S.S.R.
Munich Mus.	Zoologische Sammlung des Bayerischen Staates, Munchen, West Germany

Naples Mus.	Musée Zoologique l'Université de Naples, Naples, Italy
Ohio State Univ.	Ohio State University, Columbus, Ohio
Oxford Mus.	Oxford Museum, Oxford, England
Parcs Nat. Inst.	Institut des Parcs Nationaux du Congo Belge, Brussels, Belgium
Paris Mus.	Museum National d'Histoire Naturelle, Paris, France
Prague Mus.	Národní Museum, Praha, Czechoslovakia
Queensland Mus.	Queensland Museum, Brisbane, Australia
Roubal Coll.	Jean Roubal, U.2, baterie 6, Praha, Czecho- slovakia
Seidenstücker Coll.	Gustav Seidenstücker, Eichstätt, Bayern Römer Strasse 21, AOK, Germany
Snow Mus.	University of Kansas, Lawrence, Kansas
So. Afr. Mus.	South African Museum, Capetown, South Africa
So. Austr. Mus.	South Australian Museum, Adelaide, Australia
Stockholm Mus.	Naturhistoriska Rijsmuseet, Stockholm, Sweden
USNM	United States National Museum, Washington, D.C.
Vidal Coll.	J. P. Vidal Collection in Paris Museum
Vienna Mus.	Naturhistorisches Museum, Wien, Austria
Wagner Coll.	Edward Wagner, Mooreyhe 103, Hamburg, Germany

Host Plants

Most species of lacebugs are restricted to a single species of host plants or to a relatively small number of closely related plants. A few typical exceptions include the cotton or castor bean lacebug, *Corythucha gossypii* (Fabricius), the chrysanthemum lacebug, *Corythucha marmorata* (Uhler), the banana or coconut lacebug, *Stephanitis typica* (Distant), and the almond lacebug, *Monosteira unicastata* (Mulsant and Rey).

Since the technical and common names of host plants have been extracted directly from the literature, the determination of host plants as well as that of the tingid species concerned should be accredited to the authority as cited in the text. Except for corrections in spelling, the scientific names of plants are listed herein as printed in the literature, without nomenclatorial modernization or changes. The technical names of host plants are arranged alphabetically below the respective family names, which too are placed in alphabetical order.

ACANTHACEAE

- Acanthus sp.
Naochila kivuensis (Schouteden)
 Anisacanthus thurberi
Teleonemia huachucae Drake
 Barleria cristata
Habrochila dathula (Kirkaldy)
 Barleria strigosa
Habrochila dathula (Kirkaldy)
 Bathysa stipulata
Gargaphia patria (Drake and Hambleton)
 Beloperone californica
Teleonemia schwarzi Drake
 Strobilanthes sp.
Hegesidemus eliyanus Distant

ACERACEAE

- Acer sp.
Physatocheila harwoodi China
 Acer creticum
Physatocheila dumetorum (Herrich-Schaeffer)
 Acer obtusifolium
Physatocheila dumetorum (Herrich-Schaeffer)
 Acer pennsylvanicum
Corythucha pallipes Parshley

- Acer platanoides
Physatocheila harwoodi China
 Acer pseudoplatanus
Physatocheila harwoodi China
 Acer saccharinum
Corythucha pallipes Parshley
 Acer saccharum
Corythucha pallipes Parshley
 Acer spicatum
Corythucha pallipes Parshley

AESCULACEAE

- Aesculus glabra
Corythucha aesculi Osborn and Drake
 Aesculus hippocastanum
Corythucha aesculi Osborn and Drake
 Aesculus octandra
Corythucha aesculi Osborn and Drake

AGARICACEAE

- Pholiota mutabilis
Acalypta parvula (Fallén)

AMARANTACEAE

- Achyranthes aspera
Corythaica carinata Uhler

ANACARDIACEAE

- Pistacia sp.
Elasmotropis testacea (Herrich-Schaeffer)

- Elasmotropis testacea* var. *vicina* Horváth
Tingis (Lasiotropis) hellenica (Puton)
Pseudospondias microcarpa
Cysteocheila ghesquieri Schouteden
Rhus laurina
Teleonemia nigrina Champion
Rhus toxicodendron
Corythucha padi Drake
- ANNONACEAE
- Gargaphia concursa* Drake
Leptopharsa mira Drake and Hambleton
- Annona cherimola
Teleonemia morio (Stål)
Annona chrysophylla
Haedus pallens Schouteden
Annona coriacea
Idiostyla anonae (Drake and Hambleton)
- Annona diversifolia
Corythucha gossypii (Fabricius)
Annona muricata
Corythucha gossypii (Fabricius)
Haedus pallens Schouteden
Stephanitis typica (Distant)
- Annona reticulata
Teleonemia morio (Stål)
Annona squamosa
Corythucha gossypii (Fabricius)
Teleonemia morio (Stål)
- Rollinia silvatica
Idiostyla rolliniae (Drake and Hambleton)
- Uvaria rufa
Stephanitis (Norba) nitor Drake and Poor
- APOCYNACEAE
- Pascala arnoldi* Schouteden
Aspidosperma sp.
Liotingis affinata Drake and Hambleton
Liotingis aspidospermae Drake and Hambleton
Liotingis evidens Drake
Liotingis immaculata (Drake and Hambleton)
- Aspidosperma melanocalyx
Zelotingis aspidospermae (Drake and Hambleton)
Aspidosperma warmingii
Leptopharsa sobrina Monte
Condylocarpon rauwolfiae
Leptopharsa valida Drake and Hambleton
- Forsteronia sp.
Leptopharsa forsteroniae Drake and Hambleton
Nerium oleander
Monosteira unicostata var. *buccata* Horváth
- AQUIFOLIACEAE
- Ilex sp.
Leptophya elliptica McAtee
Leptophya ilicis Drake
- ARACEAE
- Colocasia esculenta
Stephanitis colocasiae Horváth
Raphidophora merrillii
Cottothucha oceanae Drake and Poor
Holophygdon melanesica var. *fusca* Drake and Poor
- ARALIACEAE
- Hedera helix
Derephysia foliacea (Fallén)
- ARISTOLOCHIACEAE
- Aristolochia sp.
Gargaphia flexuosa (Stål)
- BERBERIDACEAE
- Podophyllum peltatum
Corythucha pallida Osborn and Drake
- BETULACEAE
- Alnus sp.
Corythucha heidemanni Drake
Corythucha pergandei Heidemann
Physatocheila costata (Fabricius)
Alnus acuminata
Atheas nigricornis Champion
Corythucha decepta Drake
Alnus crispa
Corythucha heidemanni Drake

- Alnus glutinosa*
Corythucha pergandei Heidemann
Monosteira unicastata (Mulsant and Rey)
Physatocheila costata (Fabricius)
- Alnus incana*
Corythucha bellula Gibson
Corythucha pergandei Heidemann
Physatocheila costata (Fabricius)
- Alnus montana*
Physatocheila costata (Fabricius)
- Alnus nepalensis*
Stephanitis gallarum Horváth
- Alnus rugosa*
Corythucha pergandei Heidemann
- Betula* sp.
Physatocheila costata (Fabricius)
- Betula alba*
Corythucha pallipes Parshley
- Betula lenta*
Corythucha pallipes Parshley
Corythucha pergandei Heidemann
- Betula lutea*
Corythucha heidemanni Drake
Corythucha pallipes Parshley
Corythucha pergandei Heidemann
- Betula nigra*
Corythucha pergandei Heidemann
- Betula papyrifera*
Corythucha pallipes Parshley
- Betula populifolia*
Corythucha pergandei Heidemann
- Carpinus caroliniana*
Corythucha lowryi Drake
- Corylus* sp.
Corythucha bellula Gibson
Corythucha coryli Osborn and Drake
- Corylus americana*
Corythucha coryli Osborn and Drake
Corythucha hewitti Drake
Corythucha pergandei Heidemann
- Corylus californica*
Corythucha hewitti Drake
- Corylus rostrata*
Corythucha scitula Drake
- Ostrya carpinifolia*
Physatocheila confinis Horváth
- Ostrya virginiana*
Corythucha coryli Osborn and Drake
Corythucha pallipes Parshley
- BIGNONIACEAE
- Acanthocheila hollandi* Drake
Amblystira silvicola Drake
Dicysta amica Drake and Hambleton
Dicysta sagillata Drake
Planibyrsa elegantula (Drake)
Sphaerocysta angulata Monte
Sphaerocysta globifera (Stål)
Sphaerocysta inflata (Stål)
Tingis colombiana Drake
- Adenocalymma* sp.
Dicysta lauta Drake and Hambleton
Dicysta smithi Drake
Dicysta vitrea Champion
- Adenocalymma bracteatum*
Phymacysta tumida (Champion)
- Anemopaegma prostratum*
Acanthocheila tumida Drake
- Arrabidaea* sp.
Planibyrsa sodalis (Drake and Bondar)
- Bignonia exoleta*
Acanthocheila visenda Drake and Hambleton
- Chilopsis* sp.
Teleonemia barberi Drake
- Jacaranda paucifoliata*
Teleonemia validicornis Stål
- Mansoa glaziovii*
Dicysta vitrea Champion
- Petastoma formosum*
Dicysta vitrea Champion
- Petastoma samydoides*
Dicysta vitrea Champion
- Pithecoctenium echinatum*
Teleonemia leitei Drake and Hambleton
- Tecoma* sp.
Tingis americana Drake
Tingis tecomae Monte
- BOMBACACEAE
- Bombax* sp.
Tigava bombacis Drake and Poor
Tigava ferruginea Monte

- Bombax munguba*
Eocader vegrandis Drake and Hambleton
Ceiba pentandra
Tigava ceibae Drake and Poor
Chorisia sp.
Tigava bombacis Drake and Poor
Chorisia speciosa
Gargaphia lunulata (Mayr)
Tigava bombacis Drake and Poor
- BORAGINACEAE
- Acysta praeclara* Drake and Hambleton
Anchusa arvensis
Dictyla echii (Schrank)
Anchusa officinalis
Dictyla echii (Schrank)
Octacysta echii (Fabricius)
Arnebia cornuta
Physatocheila costata (Fabricius)
Cochranca anchusaefolia
Dictyla parmata (Distant)
Cordia sp.
Compseuta cordiae Drake
Dictyla cheriana (Drake)
Dictyla figurata (Drake)
Dictyla loricata (Distant)
Dictyla monotropida (Stål)
Dictyla parmata (Distant)
Naochila arete Drake and Mohanasundaram
Tingis (Lasiotropis) beieri Drake
Cordia abyssinica
Compseuta cordiae Drake
Dictyla abyssinica (Drake)
Horvathula uniseriata (Horváth)
Cordia alba
Dictyla alia Drake and Cobben
Cordia alliodora
Dictyla monotropida (Stål)
Cordia chrysocarpa
Dictyla leroyi (Schouteden)
Horvathula uniseriata (Horváth)
Cordia corymbosa
Dictyla loricata (Distant)
Dictyla parmata (Distant)
Cordia curassavica
Dictyla parmata (Distant)
- Cordia cylindristachya*
Dictyla parmata (Distant)
Cordia gerascanthus
Dictyla monotropida (Stål)
Cordia millenii
Horvathula uniseriata (Horváth)
Cordia myxa
Compseuta lefroyi Distant
Dictyla sauteri (Drake)
Cordia serrata
Dictyla haitiensis (Drake and Poor)
Cordia tomentosa
Dictyla monotropida (Stål)
Cordia verbenacea
Dictyla parmata (Distant)
Cynoglossum sp.
Dictyla echii (Schrank)
Dictyla nassata (Puton)
Dictyla triconula (Seidenstücker)
Octacysta echii (Fabricius)
Cynoglossum creticum
Dictyla putoni var. *pulla* (Horváth)
Cynoglossum officinale
Dictyla echii (Schrank)
Dictyla triconula (Seidenstücker)
Echinosperrum lappula
Dictyla platyoma (Fieber)
Echium sp.
Derephysia foliacea (Fallén)
Dictyla echii (Schrank)
Dictyla putoni (Montandon)
Dictyonota (Alcletha) tricornis (Schrank)
Octacysta echii (Fabricius)
Echium altissimum
Dictyla echii (Schrank)
Dictyla putoni var. *pulla* (Horváth)
Echium candicans
Dictyla indigena (Wollaston)
Echium creticum
Dictyla echii (Schrank)
Echium hypertropicum
Dictyla indigena (Wollaston)
Echium italicum
Dictyla echii (Schrank)
Octacysta echii (Fabricius)
Echium plantagineum
Dictyla nassata (Puton)

- Echium pustulatum*
Dictyla echii (Schrank)
- Echium rubrum*
Dictyla echii (Schrank)
Octacysta echii (Fabricius)
- Echium sericeum*
Dictyla nassata (Puton)
- Echium stenosphon*
Dictyla indigena (Wollaston)
- Echium vulgare*
Acalypta gracilis (Fieber)
Derephysia foliacea (Fallén)
Dictyla echii (Schrank)
Dictyonota (Alcletha) tricornis (Schrank)
Octacysta echii (Fabricius)
- Ehretia acuminata*
Dictyla evidens (Drake)
- Ehretia dicksonii*
Dictyla evidens (Drake)
- Ehretia elliptica*
Dictyla ehrethiae (Gibson)
- Ehretia laevis*
Naochila sufflata (Drake and Poor)
- Ehretia taiwaniana*
Dictyla evidens (Drake)
- Ehretia thyrsoflora*
Dictyla evidens (Drake)
- Heliotropium erosum*
Dictyonota (Alcletha) tricornis (Schrank)
- Lappula* sp.
Leptopharsa clitoriae (Heidemann)
- Lycopsis arvensis*
Dictyla echii (Schrank)
- Myosotis* sp.
Dictyla convergens (Herrich-Schaeffer)
Dictyla lupuli (Herrich-Schaeffer)
Dictyla platyoma (Fieber)
- Myosotis cespitosa*
Dictyla convergens (Herrich-Schaeffer)
- Myosotis lingulata*
Dictyla convergens (Herrich-Schaeffer)
- Myosotis palustris*
Dictyla convergens (Herrich-Schaeffer)
Dictyla lupuli (Herrich-Schaeffer)
Dictyla platyoma (Fieber)
- Onosma* sp.
Dictyla nassata (Puton)
- Onosma echioides*
Campylosteira verna (Fallén)
- Onosma visianii*
Dictyla putoni var. *pulla* (Horváth)
- Pulmonaria* sp.
Dictyla echii (Schrank)
- Symphytum* sp.
Dictyla echii (Schrank)
Dictyla humuli (Fabricius)
Dictyla platyoma (Fieber)
- Symphytum officinale*
Dictyla humuli (Fabricius)
- Tournefortia* sp.
Dictyla loricata (Distant)
- Tournefortia sibirica*
Dictyla montandoni (Horváth)
- BROMELIACEAE
- Aechmea* sp.
Ambycysta gibbifera (Picado)
Psilobyrssa aechmeae Drake and Hambleton
- Vriesia hochneana*
Psilobyrssa vriesiae Drake and Hambleton
- CAPPARIDACEAE
- Atamisquea emarginata*
Corythucha gossypii (Fabricius)
- Capparis cynophallophora*
Corythucha gossypii (Fabricius)
- Capparis flexuosa*
Corythucha gossypii (Fabricius)
- CAPRIFOLIACEAE
- Lonicera* sp.
Derephysia foliacea (Fallén)
- Viburnum tinus*
Stephanitis chlorophana (Fieber)
- CARICACEAE
- Carica papaya*
Corythucha gossypii (Fabricius)
- CARYOPHYLLACEAE
- Gymnocarpus decandrum*
Sabestena alfieri Drake and Ruhoff
- Herniaria* sp.
Acalypta parvula (Fallén)
- Herniaria glabra*
Galeatus maculatus (Herrich-Schaeffer)

CASUARINACEAE

- Casuarina sp.
Epimixia veteris Drake
 Casuarina equisetifolia
Eocader bouclei (Bruner)

CHENOPODIACEAE

- Chenopodium sp.
Derephysia foliacea (Fallén)
 Halogeton sativus
Dictyla nassata (Puton)
 Salsola pestifer
Corythaica venusta (Champion)

CISTACEAE

- Cistus albidus
Urentius chobauti Horváth
 Helianthemum lippii
Urentius euonymus Distant

CLIMACIACEAE

- Climacium americanum
Acalypta lillianis Torre-Bueno
 Climacium dendroides
Acalypta parvula (Fallén)
Derephysia foliacea (Fallén)

COMPOSITAE

- Ambrosia sp.
Gargaphia iridescens Champion
 Ambrosia artemisiifolia
Corythucha morrilli Osborn and Drake
 Ambrosia tenuifolia
Gargaphia subpilosa Berg
 Ambrosia trifida
Corythucha marmorata (Uhler)
 Amphiachyris sp.
Gargaphia solani Heidemann
 Antennaria sp.
Leptocysta sexnebulosa (Stål)
 Antennaria dioica
Galeatus spinifrons (Fallén)
 Artemisia sp.
Acalypta gracilis (Fieber)
Derephysia foliacea (Fallén)
Dictyonota (Alcletha) tricornis (Schrank)
Galeatus scrophicus Saunders
Tingis comosa (Takeya)
 Artemisia absinthium
Tingis crispata (Herrich-Schaeffer)

- Artemisia campestris*
Acalypta gracilis (Fieber)
Acalypta marginata (Wolff)
Derephysia cristata (Panzer)
Derephysia foliacea (Fallén)
Dictyonota (Alcletha) tricornis (Schrank)
Galeatus spinifrons (Fallén)
Tingis crispata (Herrich-Schaeffer)
 Artemisia dracunculoides
Corythucha morrilli Osborn and Drake
 Artemisia vulgaris
Derephysia foliacea (Fallén)
Galeatus spinifrons (Fallén)
Tingis crispata (Herrich-Schaeffer)
 Artemisia vulgaris v. indica
Galeatus spinifrons (Fallén)
 Aster sp.
Corythucha marmorata (Uhler)
 Aster macrophyllus
Galeatus spinifrons (Fallén)
 Baccharis sp.
Corythucha baccharides Drake
 Baccharis halimifolia
Corythucha baccharides Drake
 Baccharis mesoneura
Leptobyrssa baccharidis Drake and Hambleton
Leptobyrssa steini (Stål)
 Baccharis pilularis
Corythucha morrilli Osborn and Drake
 Baccharis pingraea
Coleopterodes brunnea Drake and Poor
Coleopterodes liliputiana (Signoret)
 Balsamorhiza sagittata
Corythucha immaculata Osborn and Drake
 Bidens pilosa v. radiata
Leptopharsa machalana var. *vinmula*
 Drake and Hambleton
 Cacalia thunbergii
Cochlochila lewisi (Scott)
 Carduus sp.
Corythucha distincta var. *spinata* Osborn and Drake
Tingis ampliata (Herrich-Schaeffer)
Tingis cardui (Linnaeus)
Tingis veteris Drake
Tingis (Tropidocheila) marrubii Vallot

- Carduus acanthoides*
Tingis cardui (Linnaeus)
- Carduus crispus*
Tingis cardui (Linnaeus)
- Carduus lanceolatus*
Corythucha distincta Osborn and Drake
Stephanitis oberti (Kolenati)
Tingis cardui (Linnaeus)
- Carduus nutans*
Tingis cardui (Linnaeus)
- Carthamus tinctorius*
Cochlochila bullita (Stål)
- Cassinia leptophylla*
Cyberobia carectorum Bergroth
- Centaurea paniculata*
Tingis grisea Germar
- Centaurea rhenana*
Tingis grisea Germar
- Centaurea solstitialis*
Tingis fuentei Horváth
- Chrysanthemum* sp.
Catoplatus fabricii (Stål)
Corythucha marmorata (Uhler)
Dictyonota (Alcetha) tricornis (Schrank)
Galeatus scitulus Drake and Maa
Galeatus scrophicus Saunders
Physatocheila costata (Fabricius)
- Chrysanthemum indicum*
Galeatus spinifrons (Fallén)
- Chrysanthemum leucanthemum*
Catoplatus fabricii (Stål)
Derephysia foliacea (Fallén)
- Chuquiragua glabra*
Phymacysta magnifica (Drake)
- Cirsium* sp.
Tingis ampliata (Herrich-Schaeffer)
Tingis demisea Horváth
Tingis veteris Drake
Tingis (Lasiotropis) reticulata Herrich-Schaeffer
- Cirsium arvense*
Tingis ampliata (Herrich-Schaeffer)
- Cirsium lanceolatum*
Tingis ampliata (Herrich-Schaeffer)
Tingis cardui (Linnaeus)
- Cirsium palustre*
Tingis ampliata (Herrich-Schaeffer)
Tingis cardui (Linnaeus)
- Cirsium vulgare*
Tingis cardui (Linnaeus)
- Cnicus* sp.
Corythucha distincta Osborn and Drake
- Crepis tectorum*
Tingis (Tropidocheila) pilosa Hummel
- Dahlia* sp.
Corythucha gossypii (Fabricius)
- Dahlia parryi*
Gargaphia condensa Gibson
- Dahlia spinosa*
Gargaphia opacula Uhler
- Echinops* sp.
Elasmotropis testacea (Herrich-Schaeffer)
Elasmotropis testacea var. *platydera* Horváth
- Echinops sphaerocephala*
Corythucha marmorata (Uhler)
Elasmotropis testacea (Herrich-Schaeffer)
- Echinops spinosa*
Galeatus scrophicus Saunders
Tingis (Lasiotropis) rotundipennis Horváth
- Egletes prostrata*
Corythucha morrilli Osborn and Drake
- Erigeron canadensis*
Corythucha morrilli Osborn and Drake
- Eupatorium* sp.
Galeatus spinifrons (Fallén)
- Eupatorium intermedium*
Leptobyrsa baccharidis Drake and Hambleton
Leptobyrsa steini (Stål)
- Galactites tomentosa*
Tingis cardui (Linnaeus)
- Helenium tenuifolium*
Teleonemia nigrina Champion
- Helianthus* sp.
Corythucha marmorata (Uhler)
Corythucha morrilli Osborn and Drake
- Helianthus annuus*
Corythucha morrilli Osborn and Drake
Gargaphia subpilosa Berg
- Helianthus tuberosus*
Corythucha marmorata (Uhler)

- Helichrysum angustifolium*
Copium teucii (Host)
- Helichrysum arenarium*
Galeatus spinifrons (Fallén)
- Helichrysum italicum*
Copium intermedium (Rey)
- Hieracium* sp.
Dictyonota (Alcletha) tricornis (Schrank)
Galeatus maculatus (Herrich-Schaeffer)
Galeatus spinifrons (Fallén)
Lasiacantha capucina (Germar)
- Hieracium murorum*
Acalypta nigra (Fallén)
- Hieracium pilosella*
Acalypta marginata (Wolff)
Galeatus maculatus (Herrich-Schaeffer)
Galeatus sinuatus (Herrich-Schaeffer)
- Hymenoclea salsola*
Teleonemia schwarzi Drake
- Lagascea mollis*
Corythucha morrilli Osborn and Drake
- Lappa minor*
Tingis (Tropidocheila) pilosa Hummel
Tingis (Tropidocheila) pilosa var. *ampliocosta* (Montandon)
- Launaea spinosa*
Galeatus scrophicus Saunders
- Ligularia sibirica*
Cochlochila lewisi (Scott)
- Mikania* sp.
Leptocysta sexnebulosa (Stål)
- Mikania auricularis*
Gargaphia subpilosa Berg
- Moquinia* sp.
Leptobyrsa tersa Drake and Hambleton
- Moquinia polymorpha*
Leptobyrsa tersa Drake and Hambleton
- Onopordon* sp.
Catoplatus carthusianus (Goeze)
- Petasites japonica*
Cochlochila lewisi (Scott)
- Pluchea indica*
Corythucha morrilli Osborn and Drake
- Rudbeckia serotina*
Corythucha marmorata (Uhler)
- Senecio* sp.
Tingis (Tropidocheila) pilosa Hummel
- Senecio jacobaea*
Dictyonota (Alcletha) tricornis (Schrank)
Oncochila scapularis (Fieber)
Tingis (Lasiotropis) reticulata Herrich-Schaeffer
- Serratula* sp.
Tingis cardui (Linnaeus)
- Serratula atriplicifolia*
Tingis lasiocera Matsumura
- Silybum* sp.
Tingis cardui (Linnaeus)
- Solidago* sp.
Corythucha marmorata (Uhler)
Melanorhopala clavata (Stål)
- Solidago sempervirens*
Corythucha marmorata (Uhler)
- Symphypappus reticulatus*
Leptobyrsa ardua Drake
Leptobyrsa steini (Stål)
- Synedrella nodiflora*
Corythucha morrilli Osborn and Drake
- Tanacetum* sp.
Corythucha marmorata (Uhler)
- Verbesina* sp.
Teleonemia sacchari (Fabricius)
- Verbesina encelioides*
Corythucha morrilli Osborn and Drake
- Vernonia* sp.
Ammianus alberti subsp. *tricarinatus* (Schouteden)
Corythucha agalma Drake and Cobben
Leptocysta sexnebulosa (Stål)
Nectocader gounellei (Drake)
Phatnoma annulipes Champion
- Vernonia conferta*
Ammianus alberti (Schouteden)
- Vernonia polyanthes*
Phatnoma vernoniae Drake and Hambleton
- Teleonemia brevipennis* Champion
- Wedelia jacquini*
Corythucha morrilli Osborn and Drake
- Xanthium* sp.
Corythucha morrilli Osborn and Drake
Teleonemia scrupulosa Stål
- Xanthium canadense*
Corythucha morrilli Osborn and Drake

- Zinnia elegans
Gargaphia torresi Costa Lima
 CONVOLVULACEAE
- Ipomoea sp.
Gargaphia deceptiva (Drake and Bruner)
Gargaphia torresi Costa Lima
- Ipomoea batatas
Corythucha morrilli Osborn and Drake
Leptocysta sexnebulosa (Stål)
Teleonemia forticornis Champion
- Ipomoea bonariensis
Gargaphia subpilosa Berg
- Ipomoea fistulosa
Teleonemia brevipennis Champion
 CRASSULACEAE
- Sedum acre
Dictyonota (Alcletha) tricornis (Schrank)
 CUCURBITACEAE
- Cucurbita moschata
Teleonemia tricolor (Mayr)
- Lagenaria leucantha
Corythucha gossypii (Fabricius)
- Sechium edule
Teleonemia tricolor (Mayr)
- Sicana odorifera
Teleonemia tricolor (Mayr)
 CUPRESSACEAE
- Cupressus sp.
Elasmotropis testacea var. *vicina* Horváth
 CYPERACEAE
- Agramma confusum* (Puton)
- Carex sp.
Acalypta platycheila (Fieber)
Agramma lactum (Fallén)
Agramma ruficorne (Germar)
Derephysia foliacea (Fallén)
- Eriophorum sp.
Agramma tropidopterum Flor
- Eriophorum angustifolium
Agramma femorale Thomson
- Rhynchospora alba
Agramma femorale Thomson
Agramma lactum (Fallén)
- Schoenus albus
Agramma femorale Thomson
Agramma laetum (Fallén)
- Scirpus holoschoenus
Agramma atricapillum (Spinola)
Agramma dubium var. *imbecillum* (Horváth)
- Scleria myricocarpa
Leptopharsa pensa Drake and Hambleton
 DICHAPETALACEAE
- Dichapetalum cymosum
Onymochila dichapetali (Horváth)
 DILENIACEAE
- Davilla rugosa
Tingis silvacata Drake
 ERICACEAE
- Andromedeia sp.
Stephanitis takeyai Drake and Maa
- Azalea* see *Rhododendron*
- Calluna sp.
Acalypta gracilis (Fieber)
Galeatus spinifrons (Fallén)
- Calluna vulgaris
Acalypta marginata (Wolff)
Acalypta nigrina (Fallén)
Acalypta parvula (Fallén)
Galeatus spinifrons (Fallén)
Stephanitis oberti (Kolenati)
Tingis (Lasiotropis) reticulata Herrich-Schaeffer
- Chamaedaphne sp.
Corythucha ciliata (Say)
- Erica sp.
Tingis (Lasiotropis) reticulata Herrich-Schaeffer
- Erica vulgaris
Galeatus maculatus (Herrich-Schaeffer)
Tingis (Lasiotropis) reticulata Herrich-Schaeffer
- Kalmia angustifolia
Stephanitis rhododendri Horváth
- Kalmia latifolia
Physatocheila plexa (Say)
Stephanitis pyrioides (Scott)
Stephanitis rhododendri Horváth
- Ledum palustre
Stephanitis oberti (Kolenati)
- Lyonia neziki
Stephanitis takeyai Drake and Maa

- Myrtillus niger
 Stephanitis oberti (Kolenati)
- Myrtillus uliginosus
 Stephanitis oberti (Kolenati)
- Pierus floribunda
 Stephanitis rhododendri Horváth
- Pierus japonica
 Stephanitis rhododendri Horváth
 Stephanitis takeyai Drake and Maa
- Pieris ovalifolia
 Stephanitis pyrioides (Scott)
 Stephanitis takeyai Drake and Maa
- Rhododendron sp.
 Stephanitis caucasica Kiritschenko
 Stephanitis oberti (Kolenati)
 Stephanitis propinqua Horváth
 Stephanitis pyrioides (Scott)
 Stephanitis rhododendri Horváth
- Rhododendron america
 Stephanitis rhododendri Horváth
- Rhododendron amoena
 Stephanitis pyrioides (Scott)
- Rhododendron amurasaki
 Stephanitis pyrioides (Scott)
- Rhododendron Antoon van Welie
 Stephanitis rhododendri Horváth
- Rhododendron benigeri
 Stephanitis pyrioides (Scott)
- Rhododendron calenulaceum
 Stephanitis pyrioides (Scott)
- Rhododendron caractacus
 Stephanitis rhododendri Horváth
- Rhododendron Cunningham's White
 Stephanitis rhododendri Horváth
- Rhododendron cynthia
 Stephanitis rhododendri Horváth
- Rhododendron Dr. V. H. Rutgers
 Stephanitis rhododendri Horváth
- Rhododendron everestianum
 Stephanitis rhododendri Horváth
- Rhododendron fastuosum
 Stephanitis rhododendri Horváth
- Rhododendron hatsugeri
 Stephanitis pyrioides (Scott)
- Rhododendron hinodegeri
 Stephanitis pyrioides (Scott)
- Rhododendron hollandia
 Stephanitis rhododendri Horváth
- Rhododendron hymenanthes var. hep-
 tamerum
 Stephanitis hikosana Drake
- Rhododendron indica
 Stephanitis pyrioides (Scott)
- Rhododendron kaempferi
 Stephanitis pyrioides (Scott)
- Rhododendron ledifolium alba
 Stephanitis pyrioides (Scott)
- Rhododendron maximum
 Stephanitis rhododendri Horváth
- Rhododendron Mme. de Bruin
 Stephanitis rhododendri Horváth
- Rhododendron Mme. Carvalho
 Stephanitis rhododendri Horváth
- Rhododendron Mme. Mason
 Stephanitis rhododendri Horváth
- Rhododendron mollis
 Stephanitis pyrioides (Scott)
- Rhododendron Mr. R. S. Holford
 Stephanitis rhododendri Horváth
- Rhododendron mucrunatum
 Stephanitis pyrioides (Scott)
- Rhododendron obtusum amoenum
 Stephanitis pyrioides (Scott)
- Rhododendron parsons gloriosum
 Stephanitis rhododendri Horváth
- Rhododendron Peter Koster
 Stephanitis rhododendri Horváth
- Rhododendron ponticum
 Stephanitis pyrioides (Scott)
- Rhododendron schillippenbachii
 Stephanitis pyrioides (Scott)
- Rhododendron shibori
 Stephanitis pyrioides (Scott)
- Rhododendron shirogeri
 Stephanitis pyrioides (Scott)
- Rhododendron Van der Hoop
 Stephanitis rhododendri Horváth
- Rhododendron yedoense pokhense
 Stephanitis pyrioides (Scott)
- Rhododendron yodogawa
 Stephanitis pyrioides (Scott)
- Vaccinium sp.
 Leptoypha ilicis Drake
- Vaccinium myrtillus
 Derephysia foliacea (Fallén)

- Stephanitis oberti* (Kolenati)
Stephanitis pyri (Fabricius)
 Vaccinium uliginosum
Stephanitis oberti (Kolenati)
 Vaccinium vitis-idaea
Stephanitis oberti (Kolenati)
 Xolisma ferruginea
Leptopypha meateei Drake
 ERYTHROXYLACEAE
 Erythroxyton sp.
Corycera rugulosa Drake
Corycera separata Drake and Hambleton
 Erythroxyton deciduum
Leptopharsa decens Drake and Hambleton
 EUPHORBIACEAE
Corythucha socia Monte
Gargaphia patricia (Stål)
 Acalypha sp.
Gargaphia penningtoni Drake
 Cnidoscopus sp.
Gargaphia lunulata (Mayr)
 Croton sp.
Gargaphia concursa Drake
Gargaphia costalimai Monte
Gargaphia torresi Costa Lima
Haedus decellei Schouteden
Tingis (Lasiotropis) beieri Drake
 Croton antisiphiliticus
Corycera spissa Drake
 Croton flavens
Leptopharsa ruris Drake
 Croton lobatus
Gargaphia penningtoni Drake
 Croton pungens
Gargaphia mirabilis Monte
 Croton urucurana
Gargaphia crotonae Drake and Hambleton
Gargaphia decoris Drake
 Dalechampia ficifolia
Gargaphia differitas Drake
 Euphorbia cyparissias
Oncochila simplex (Herrich-Schaeffer)
 Euphorbia gerardiana
Oncochila scapularis (Fieber)
Oncochila simplex (Herrich-Schaeffer)
 Euphorbia heterophylla
Gargaphia lunulata (Mayr)
 Glochidion sp.
Phatnoma veridica Drake and Maa
 Hevea sp.
Cystechila biseriata Schouteden
Cystechila lueboensis Schouteden
 Hevea brasiliensis
Leptopharsa heveae Drake and Poor
 Jatropha sp.
Corythucha gossypii (Fabricius)
 Jatropha gossypifolia
Corythucha gossypii (Fabricius)
 Jatropha multifida
Corythucha gossypii (Fabricius)
 Jatropha urens
Gargaphia niginervis Stål
 Mallotus philippinensis
Trachypeplus jacobsoni Horváth
Trachypeplus malloti Drake and Poor
 Manihot sp.
Atheas cearanus Monte
Vatiga illudens (Drake)
Vatiga manihotae (Drake)
 Manihot dulcis
Vatiga illudens (Drake)
Vatiga illudens var. *variata* (Drake)
 Manihot esculenta
Vatiga illudens (Drake)
 Manihot utilissima
Gargaphia lunulata (Mayr)
Vatiga illudens (Drake)
Vatiga longula (Drake)
Vatiga manihotae (Drake)
 Ricinus communis
Corythaica cyathicollis (Costa)
Corythucha gossypii (Fabricius)
Corythucha spinosa (Dugès)
Gargaphia lunulata (Mayr)
 FAGACEAE
 Castanea americana
Corythucha arcuata (Say)
 Castanea sativa
Stephanitis pyri (Fabricius)
 Fagus grandifolia
Corythucha pallipes Parshley

Quercus sp.

- Acalypta hellenica* Reuter
Corthuchay arcuata (Say)
Corythucha cydoniae (Fitch)
Derephysia foliacea (Fallén)
Physatocheila costata (Fabricius)

Quercus acuminata

- Corythucha arcuata* (Say)

Quercus acutissima

- Uhlerites debilis* (Uhler)

Quercus alba

- Corythucha arcuata* (Say)

Quercus coccifera

- Monosteira lobulifera* Reuter
Physatocheila confinis Horváth
Stephanitis pyri (Fabricius)

Quercus dentata

- Uhlerites debilis* (Uhler)

Quercus dilatata

- Physatocheila dryadis* Drake and Poor

Quercus glandulifera

- Uhlerites debilis* (Uhler)

Quercus ilex

- Monosteira lobulifera* Reuter
Physatocheila confinis Horváth
Stephanitis pyri (Fabricius)

Quercus macrocarpa

- Corythucha arcuata* (Say)

Quercus muehlenbergii

- Corythucha arcuata* (Say)

Quercus prinoides

- Corythucha arcuata* (Say)

Quercus prinus

- Corythucha arcuata* (Say)

Quercus pubescens

- Physatocheila confinis* Horváth

Quercus rubra

- Corythucha arcuata* (Say)

Quercus serrata

- Uhlerites debilis* (Uhler)

Quercus suber

- Catoplatus mamorensis* Bergevin

FLACOURTIACEAE

Olmediella betschleriana

- Leptopharsa dapsilis* Drake and Hambleton

GERANIACEAE

Erodium sp.

- Acalypta marginata* (Wolff)
Acalypta nigrina (Fallén)
Acalypta parvula (Fallén)

Erodium circutarium

- Acalypta gracilis* (Fieber)

GNETACEAE

Ephedra sp.

- Tingis lanigera* (Puton)

GOODENIACEAE

Scaevola koenigii

- Paracopium sumnervillei* (Hacker)

GRAMINEAE

- Agramma atricapillum* var. *pallens* (Horváth)

Arusha horvathi Drake

- Leptodictya (Hanuala) plana* Heidemann

- Leptopharsa lineata* (Champion)

- Tigava graminis* Drake and Poor

Andropogon sp.

- Hesperotingis antennata* Parshley

Bambusa sp.

- Corythucha spinosa* (Dugès)

- Leptodictya (Hanuala) approximata* (Stål)

- Leptodictya (Hanuala) venezolana* Monte

- Nyctotingis obsorni* Drake

Bambusa vulgaris

- Leptodictya (Hanuala) bambusae* Drake

Cenchrus glaucus

- Bako malayanus* (Drake)

Cynodon dactylon

- Bako malayanus* (Drake)

Dendrocalamus strictus

- Leptodictya (Hanuala) bambusae* Drake

Ichnanthus leiocarpus

- Aepycesta undosa* Drake and Bondar

Merostachys sp.

- Stephanitis mitrata* (Stål)

Olyra sp.

- Leptodictya (Hanuala) austrina* Drake and Hambleton

- Leptodictya (Hanuala) comes* Drake and Hambleton

- Leptodictya (Hanuala) madra* Drake and Hambleton

- Leptodictya (Hanuala) nota* Drake and Hambleton

Leptodictya (Hanuala) olyrae Drake
Leptodictya (Hanuala) solita Drake and Hambleton
Olyra latifolia
Leptodictya (Hanuala) olyrae Drake
Olyra micrantha
Stephanitis olyrae Drake and Hambleton
Oryza sativa
Bako malayanus (Drake)
Panicum lindheimeri
Corythaica bellula Torre-Bueno
Panicum maximum
Leptodictya (Hanuala) dola Drake and Hambleton
Panicum repens
Bako malayanus (Drake)
Panicum turgidum
Phaenotropis cleopatra (Horváth)
Paspalum sp.
Leptodictya (Hanuala) paspalii Drake and Hambleton
Phyllostachys castilloni
Leptodictya (Hanuala) litigiosa Monte
Psamma sp.
Tingis (Lasiotropis) reticulata Herrich-Schaeffer
Saccharum officinarum
Agramma formosanum (Matsumura)
Leptodictya (Hanuala) bambusae Drake
Urochloa reptans
Aconchus urbanus (Horváth)
Zea mays
Corythucha salicata Gibson

HAMAMELIDACEAE

Hamamelis sp.
Leptoypha costata Parshley

HERNANDIACEAE

Hernandia sp.
Stephanitis subfasciata Horváth

HYDROPHYLLACEAE

Eriodictyon californicum
Corythucha eriodictyonae Osborn and Drake

HYPERICACEAE

Hypericum sp.
Catoplatys fabricii (Stål)

JUGLANDACEAE

Carya sp.
Corythucha caryae Bailey
Carya illinoensis
Corythucha juglandis (Fitch)
Carya olivaeformis
Corythucha juglandis (Fitch)
Carya ovata
Corythucha caryae Bailey
Corythucha ciliata (Say)
Hicoria alba
Leptoypha costata Parshley
Juglans cinerea
Corythucha juglandis (Fitch)
Juglans nigra
Corythucha juglandis (Fitch)
Juglans regia
Stephanitis pyri (Fabricius)
Juglans sieboldiana
Corythucha juglandis (Fitch)

JUNCACEAE

Juncus sp.
Agramma atricapillum (Spinola)
Agramma carinatum (Distant)
Agramma confusum (Puton)
Agramma fallax (Horváth)
Agramma lactum (Fallén)
Agramma melanoscele (Horváth)
Agramma ruficorne (Germar)
Agramma tropidopterum Flor
Derephysia foliacea (Fallén)
Juncus acutus
Agramma atricapillum (Spinola)
Juncus gerardi
Agramma confusum (Puton)
Juncus maritimus
Agramma atricapillum (Spinola)
Agramma laetum (Fallén)
Luzula campestris
Agramma laetum (Fallén)

LABIATAE

Lasiacantha altimitrata (Takeya)
Ajuga sp.
Lasiacantha capucina (Germar)
Tingis (Lasiotropis) reticulata Herrich-Schaeffer
Tingis (Tropidocheila) caucasica (Jakovlev)

- Ajuga chamaeipytis*
Tingis (Lasiotropis) ajugarum (Frey-Gessner)
- Ajuga genevensis*
Tingis (Lasiotropis) ajugarum (Frey-Gessner)
Tingis (Lasiotropis) reticulata Herrich-Schaeffer
- Ajuga iva*
Tingis (Lasiotropis) ajugarum (Frey-Gessner)
- Ajuga reptans*
Tingis (Lasiotropis) reticulata Herrich-Schaeffer
- Ballota nigra*
Tingis (Tropidocheila) pilosa Hummel
Tingis (Tropidocheila) pilosa var. *amplicosta* (Montandon)
- Betonica officinalis*
Hyalochiton colpochilus (Horváth)
- Coleus* sp.
Cochlochila bullita (Stål)
- Galeopsis tetrahit*
Tingis (Tropidocheila) pilosa Hummel
Tingis (Tropidocheila) pilosa var. *amplicosta* (Montandon)
- Hoslundia* sp.
Dictyla sjostedti (Horváth)
- Hoslundia oppositifolia*
Naochila boxiana (Drake)
- Keiskea japonica*
Copium japonicum Esaki
- Leonurus cardiaca*
Tingis (Tropidocheila) pilosa Hummel
Tingis (Tropidocheila) pilosa var. *amplicosta* (Montandon)
- Marrubium* sp.
Tingis (Tropidocheila) marrubii Vallot
- Marrubium vulgare*
Tingis cardui (Linnaeus)
Tingis (Tropidocheila) marrubii Vallot
- Mentha* sp.
Cochlochila bullita (Stål)
Dictyonota (Alcletha) tricornis (Schrank)
- Mosla punctata*
Copium japonicum Esaki
- Ocium basilicum*
Cochlochila bullita (Stål)
- Ocium canum*
Cochlochila bullita (Stål)
- Ocium kilimandscharicum*
Cochlochila bullita (Stål)
- Ocium sanctum*
Cochlochila bullita (Stål)
- Phlomis* sp.
Hyalochiton multiseriatus (Reuter)
- Phlomis fruticosa*
Tingis (Lasiotropis) hellenica (Puton)
- Phlomis herba-venti*
Tingis (Tropidocheila) granadensis Horváth
- Phlomis lynchitis*
Hyalochiton colpochilus (Horváth)
Tingis (Lasiotropis) trichonota (Puton)
- Phlomis pungens*
Tingis (Tropidocheila) pauperata (Puton)
- Phlomis tuberosa*
Galeatus sinuatis (Herrich-Schaeffer)
- Prunella vulgaris*
Teleonemia prunellae Drake and Hambleton
- Salvia azurea*
Gargaphia solani Heidemann
- Salvia officinalis*
Cochlochila bullita (Stål)
- Salvia pitcheri*
Gargaphia solani Heidemann
- Salvia verticillata*
Tingis (Lasiotropis) reticulata Herrich-Schaeffer
- Satureja montana*
Lasiacantha gracilis (Herrich-Schaeffer)
- Sideritis* sp.
Tingis (Tropidocheila) stachydis (Fieber)
- Stachys* sp.
Tingis auriculata (Costa)
Tingis (Lasiotropis) ragusana (Fieber)
Tingis (Tropidocheila) stachydis (Fieber)
- Stachys annua*
Tingis (Tropidocheila) stachydis (Fieber)
- Stachys italica*
Tingis (Lasiotropis) ragusana (Fieber)
- Stachys recta*
Tingis auriculata (Costa)
Tingis (Tropidocheila) stachydis (Fieber)

- Stachys salviaefolia
Tingis (Lasiotropis) ragusana (Fieber)
- Stachys sylvatica
Tingis (Tropidocheila) pilosa Hummel
Tingis (Tropidocheila) pilosa var. *amplicosta* (Montandon)
- Teucrium sp.
Copium clavicorne (Linnaeus)
Copium horvathi Wagner
Copium teucrii (Host)
Hyalochiton komaroffii (Jakovlev)
- Teucrium canum
Copium clavicorne (Linnaeus)
- Teucrium capitatum
Copium teucrii (Host)
- Teucrium chamaedrys
Copium clavicorne (Linnaeus)
Copium magnicorne (Rey)
Copium teucrii (Host)
Tingis (Tropidocheila) stachydis (Fieber)
- Teucrium flavum
Copium clavicorne (Linnaeus)
- Teucrium marum
Copium clavicorne (Linnaeus)
- Teucrium montanum
Copium clavicorne (Linnaeus)
Copium magnicorne (Rey)
Copium teucrii (Host)
- Teucrium polium
Copium bernardi Wagner
Copium teucrii (Host)
- Teucrium scordium
Copium clavicorne (Linnaeus)
- Teucrium scorodonium
Copium clavicorne (Linnaeus)
Copium reyi Wagner
- Teucrium supinum
Copium teucrii (Host)
- Thymus sp.
Acalypta gracilis (Fieber)
Acalypta marginata (Wolff)
Acalypta parvula (Fallén)
Derephysia foliacea (Fallén)
Dictyonota (Alcletha) tricornis (Schrank)
Lasiacantha gracilis (Herrich-Schaeffer)
Oncochila simplex (Herrich-Schaeffer)
- Thymus montanus
Lasiacantha capucina (Germar)
- Thymus serpyllus
Acalypta gracilis (Fieber)
Acalypta migrina (Fallén)
Acalypta parvula (Fallén)
Derephysia foliacea (Fallén)
Lasiacantha capucina (Germar)
- LAURACEAE
- Aperula citriodora
Stephanitis takeyai Drake and Maa
- Camphora officinalis
Pseudacysta perseae (Heidemann)
- Cinnamomum camphora
Stephanitis fasciicarina Takeya
Stephanitis takeyai Drake and Maa
Stephanitis (Norba) aperta Horváth
- Cinnamomum pedunculatum
Stephanitis (Norba) mendica Horváth
- Lindera citriodora
Stephanitis takeyai Drake and Maa
- Lindera glauca
Stephanitis ambigua Horváth
- Lindera obtusiloba
Stephanitis ambigua Horváth
Stephanitis takeyai Drake and Maa
- Lindera sericea
Stephanitis takeyai Drake and Maa
- Lindera umbellata
Stephanitis takeyai Drake and Maa
- Machilus sp.
Stephanitis (Norba) esakii Takeya
- Machilus gamblei
Stephanitis gallarum Horváth
- Machilus longifolia
Stephanitis gallarum Horváth
- Machilus pseudo-longifolia
Stephanitis gallarum Horváth
- Machilus thunbergii
Stephanitis fasciicarina Takeya
Stephanitis (Norba) aperta Horváth
Stephanitis (Norba) esakii Takeya
Stephanitis (Norba) exigua Horváth
- Nectandra sp.
Acysta nectandrae Drake and Hambleton
- Ocotea sp.
Pliobrysa adversa (Drake and Hambleton)

- Ocotea lanata
Pliobyrsa inflexa (Drake and Hambleton)
- Ocotea pretiosa
Acysta ocoteae Drake and Hambleton
Leptopharsa ocoteae Drake and Hambleton
- Persea americana
Pleseobyrsa chiriquensis (Champion)
- Persea carolinensis
Pseudacysta perseae (Heidemann)
- Persea gratissima
Pseudacysta perseae (Heidemann)
Stephanitis (Norba) suffusa (Distant)
- Tetrandenia dolichocarpa
Stephanitis (Norba) esakii Takeya
- LEGUMINOSAE
- Atheas fuscipes* Champion
- Leptopharsa probala* Drake and Hambleton
Tigava gracilis Monte
Tigava praececellens Stål
- Acacia sp.
Nethersia setosa (Hacker)
- Acacia cavenia
Coleopterodes liliputiana (Signoret)
- Acacia riparia
Teleonemia prolixa (Stål)
- Aeschynomene sp.
Atheas paganus Drake
- Aeschynomene falcata
Atheas ornatipes Drake and Hambleton
- Aeschynomene nivea
Atheas tristis Van Duzee
- Amorpha fruticosa
Gargaphia amorphae (Walsh)
Leptopharsa oblonga (Say)
- Arachis hypogaea
Corythucha gossypii (Fabricius)
- Astragalus sp.
Galeatus scrophicus Saunders
- Baptisia tinctoria
Leptopharsa heidemanni (Osborn and Drake)
- Bauhinia sp.
Vatiga longula (Drake)
- Bauhinia purpurea
Cysteochila delineatus (Distant)
- Bauhinia variegata
Cysteochila ablusa Drake
- Cajanus indicus
Corythucha gossypii (Fabricius)
Gargaphia penningtoni Drake
Urentius euonymus Distant
- Canavalia ensiformis
Campylotingis bondari (Drake)
Corythucha gossypii (Fabricius)
Gargaphia lunulata (Mayr)
Gargaphia opima Drake
- Canavalia obtusifolia
Gargaphia torresi Costa Lima
- Cassia sp.
Campylotingis mollis Drake and Bondar
Gargaphia solani Heidemann
Leptopharsa mira Drake and Hambleton
Leptopharsa principis Drake and Hambleton
Teleonemia brevipennis Champion
Vatiga cassiae (Drake and Hambleton)
- Cassia emarginata
Corythucha gossypii (Fabricius)
- Cassia fistula
Gargaphia lunulata (Mayr)
- Cassia imperialis
Gargaphia lunulata (Mayr)
- Ceratonia sp.
Elasmotropis testacea var. *vicina* Horváth
Tingis (Lasiotropis) hellenica (Puton)
- Ceratonia siliqua
Elasmotropis testacea (Herrich-Schaeffer)
- Cercis canadensis
Gargaphia tiliae Walsh
- Clitoria mariana
Leptopharsa clitoriae (Heidemann)
- Cytisus scoparius
Dictyonota (Alcletha) tricornis (Schrank)
- Dahlstedtia pinnata
Corycera alboater Drake and Hambleton
- Dalbergia sp.
Leptopharsa tenuatis Drake

- Derris elliptica
Amblystira fuscitarsis Champion
Amblystira opaca Champion
- Desmodium sp.
Atheas austroriparius Heidemann
Atheas insignis Heidemann
Atheas mimeticus Heidemann
Leptopharsa machalana Drake and Hambleton
Leptopharsa machalana var. *vinula* Drake and Hambleton
- Dolichos lablab
Campylotingis bondari (Drake)
Gargaphia lunulata (Mayr)
- Dorycnium suffruticosum
Phaenotropis parvula (Signoret)
- Erythrina berteroana
Corythucha gossypii (Fabricius)
- Falcata comosa
Leptopharsa oblonga (Say)
- Ferreira spectabilis
Campylotingis carvalhoi Drake and Hambleton
Campylotingis machaerii Drake and Hambleton
- Genista sp.
Catoplatus fabricii (Stål)
Dictyonota pulchella Costa
- Genista anglica
Dictyonota albipennis Baerensprung
- Genista scorpius
Dictyonota pulchella Costa
- Genista tinctoria
Catoplatus fabricii (Stål)
- Gleditsia triacanthos
Anommatocoris coleopteratus (Kormilev)
- Glycine max
Gargaphia lunulata (Mayr)
- Hosackia crassifolia
Corythucha fuscigera (Stål)
- Hymenaea stigonocarpa
Amblystira pectogyne Drake and Hambleton
- Ichthyomethia grandifolia
Leptopharsa tenuis (Champion)
- Ichthyomethia piscipula
Corythucha gossypii (Fabricius)
- Indigofera sp.
Monosteira minutula Montandon
- Kuhnistera sp.
Leptopharsa oblonga (Say)
- Lathyrus nuttallii
Corythucha distincta Osborn and Drake
- Lespedeza sp.
Leptopharsa clitoriae (Heidemann)
- Lonchocarpus sp.
Vatiga lonchocarpa (Drake and Hambleton)
- Lonchocarpus sericeus
Amblystira fuscitarsis Champion
- Machaerium sp.
Atheas lactantis Drake and Hambleton
Campylotingis bondari (Drake)
Campylotingis jansonii (Drake)
Campylotingis lenatis Drake
Campylotingis machaerii Drake and Hambleton
Campylotingis prudens Drake and Hambleton
Campylotingis tantilla Drake
Corycera machaerii Drake and Hambleton
Leptopharsa prudens Drake and Hambleton
- Machaerium angustifolium
Atheas flavipes Champion
Atheas lactantis Drake and Hambleton
- Machaerium nictitans
Leptopharsa machaerii Drake and Hambleton
- Machaerium oblongifolium
Teleonemia validicornis Stål
- Machaerium oblongifolium v. subglabrum
Teleonemia validicornis Stål
- Machaerium pedicellatum
Leptopharsa ogloblini Drake
- Machaerium stipitatum
Leptopharsa gracilentia (Champion)
- Machaerium villosum
Campylotingis prudens Drake and Hambleton
- Medicago sp.
Galeatus spinifrons (Fallén)

- Medicago lupulina
Catoplatys fabricii (Stål)
 Meibomia sp.
Leptopharsa clitoriae (Heidemann)
 Meibomia adscendens
Gargaphia lunulata (Mayr)
 Myrocarpus fastigiatus
Acysta myrocarpi Drake and Poor
Campylotingis clavata Drake and Hambleton
 Oxytropis sp.
Acalypta lilliani Torre-Bueno
 Parosela citriodora
Atheas nigricornis Champion
 Parosela emoryi
Gargaphia insularis Van Duzee
 Peltogyne sp.
Amblystira peltogyne Drake and Hambleton
 Petalostemon sp.
Leptopharsa oblonga (Say)
 Petalostemon purpureum
Atheas mimeticus Heidemann
 Phaseolus sp.
Gargaphia penningtoni Drake
Gargaphia torresi Costa Lima
 Phaseolus limensis
Corythucha gossypii (Fabricius)
 Phaseolus lunatus
Campylotingis bondari (Drake)
Gargaphia lunulata (Mayr)
Gargaphia torresi Costa Lima
 Phaseolus vulgaris
Campylotingis bondari (Drake)
Gargaphia lunulata (Mayr)
Gargaphia subpilosa Berg
Gargaphia torresi Costa Lima
 Robina pseudoacacia
Stephanitis pyri (Fabricius)
 Sarothaumus sp.
Dictyonota fuliginosa Costa
 Sarothaumus scoparius
Dictyonota strichnocera Fieber
 Schrankia sp.
Atheas austroriparius Heidemann
 Spartium sp.
Catoplatys fabricii (Stål)
 Spartium junceum
Aclypta nigrina (Fallén)
 Spartium scoparium
Dictyonota fuliginosa Costa
Dictyonota strichnocera Fieber
Monosteira unicastata (Mulsant and Rey)
 Stylosanthes biflora
Atheas insignis Heidemann
 Swartzia sp.
Leptopharsa mira Drake and Hambleton
 Tamarindus indica
Cysteochila endeca Drake
 Tephrosia sp.
Phaenotropis cleopatra (Horváth)
 Ulex sp.
Dictyonota pulchella Costa
Dictyonota strichnocera Fieber
 Vigna sinensis
Campylotingis bondari (Drake)
 Zornia diphylla
Gargaphia lunulata (Mayr)
- LILIACEAE
- Yucca arborescens
Corythucha caelata Uhler
- LOGANIACEAE
- Buddleia sp.
Teleonemia brevipennis Champion
 Buddleia asiatica
Tingis buddleiae Drake
- LYCOPODIACEAE
- Stephanitis (Norba) exigua* Horváth
- MAGNOLIACEAE
- Illicium religiosum
Stephanitis svensoni Drake
 Liriodendron sp.
Melanorhopala infuscata Parshley
- MALPIGHIACEAE
- Byrsonima sp.
Tingis neotropicalis Monte
 Byrsonima sericea
Ulotingis uniseriata (Drake)
 Byrsonima verbascifolia
Ulotingis uniseriata (Drake)
 Malpighia glabra
Phymacysta tumida (Champion)

- Malpighia puniceifolia
 Phymacysta tumida (Champion)
- Malpighia urens
 Phymacysta tumida (Champion)
- Stigmaphyllon sp.
 Gargaphia lunulata (Mayr)
- MALVACEAE
- Compseuta picta* Schouteden
 Macrocorutha rhomboptera (Fieber)
- Abelmoschus esculentus
 Gargaphia lunulata (Mayr)
- Abutilon sp.
 Corythucha hispida Uhler
 Gargaphia penningtoni Drake
 Urentius euonymus Distant
- Abutilon muticum
 Urentius euonymus Distant
- Abutilon pannosum
 Urentius euonymus Distant
- Abutilon umbellatum
 Corythucha championi Drake and Cobben
- Althaea rosea
 Corythaica carinata Uhler
- Ayenia magna
 Corythucha championi Drake and Cobben
- Callirhoe involucrata
 Teleonemia scrupulosa Stål
- Gossypium sp.
 Corythaica costata Gibson
 Corythaica monacha (Stål)
 Corythucha gossypii (Fabricius)
 Gargaphia subpilosa Berg
 Gargaphia torresi Costa Lima
- Gossypium arboreum
 Gargaphia lunulata (Mayr)
- Gossypium herbaceum
 Gargaphia solani Heidemann
- Hibiscus sp.
 Corythucha gossypii (Fabricius)
- Hibiscus esculentus
 Corythucha gossypii (Fabricius)
 Gargaphia acmonis Drake and Hambleton
 Gargaphia lunulata (Mayr)
- Hibiscus rosa-sinensis
 Corythucha gossypii (Fabricius)
- Hibiscus syriacus*
 Gargaphia torresi Costa Lima
- Malva sp.
 Gargaphia iridescens Champion
- Malvaviscus arboreus
 Leptopharsa rumiana Drake and Hambleton
- Malvaviscus drummondii
 Calotings knighti Drake
- Sida sp.
 Gargaphia penningtoni Drake
 Gargaphia torresi Costa Lima
 Haedus sidae (Drake and Poor)
- Sida acuta
 Gargaphia penningtoni Drake
- Sida cordifolia
 Corythaica monacha (Stål)
 Urentius euonymus Distant
- Sida glomerata
 Corythaica monacha (Stål)
- Sida procumbens
 Corythaica carinata Uhler
- Sida rhombifolia
 Corythaica monacha (Stål)
- Sida ulmifolia
 Corythaica monacha (Stål)
- Sphaeralcea sp.
 Corythucha sphaeralceae Drake
- Sphaeralcea angustifolia
 Teleonemia nigrina Champion
- Sphaeralcea miniata
 Corythaica cucullata (Berg)
- Urena lobata
 Gargaphia lunulata (Mayr)
 Haedus vicarius (Drake)
 Leptopharsa machalana var. *vinnula*
 Drake and Hambleton
- Urena lobata v. sinuata
 Haedus vicarius (Drake)
- Wissadula sp.
 Gargaphia penningtoni Drake
 Gargaphia subpilosa Berg
- MELASTOMATACEAE
- Miconia sp.
 Leptopharsa cognata Drake and Hambleton
 Leptopharsa miconiae Drake and Hambleton

MENISPERMACEAE

- Cissampelos glaberrima
Gargaphia flexuosa (Stål)
 Cissampelos tamoides
Gargaphia flexuosa (Stål)
 Cocculus sp.
Stephanitis subfasciata Horváth
 Cocculus trilobus
Stephanitis subfasciata Horváth
 Stephania hernandifolia
Stephanitis queenslandensis Hacker

MONIMIACEAE

- Mollinedia sp.
Pliobyrsa mollinediae (Drake and Hambleton)
 Siparuna guianensis
Leptopharsa distincticornis Drake

MORACEAE

- Artocarpus incisa
Nesocypselas dicysta Kirkaldy
 Artocarpus integrifolia
Alloiothucha artocarpi (Horváth)
Leptopharsa angustata (Champion)
Leptopharsa artocarpi Drake and Hambleton
Leptopharsa vittipennis (Stål)
Stephanitis typica (Distant)
Stephanitis (Menodora) chariesis Drake and Mohanasundarum
 Broussonetia papyrifera
Corythucha ciliata (Say)
 Chlorophora tinctoria
Leptopharsa difficilis Drake and Hambleton
 Ficus sp.
Naochila kivuensis (Schouteden)
Perissonemia emeles Drake and Mohanasundarum
Tigava brevicollis Monte
 Ficus elastica
Leptopharsa fici Drake and Hambleton
 Ficus subtriplinervia
Leptopharsa fici Drake and Hambleton
 Humulus sp.
Dictyla humuli (Fabricius)
Tingis (Tropidocheila) pilosa Hummel
 Morus rubra
Corythucha pallida Osborn and Drake

MUSACEAE

- Musa sp.
Stephanitis typica (Distant)
 Musa paradisiaca
Corythucha gossypii (Fabricius)
 Musa paradisiaca v. sapientum
Stephanitis typica (Distant)
Stephanitis (Menodora) sondaica Horváth

MYOPORACEAE

- Myoporum sandwicense
Teleonemia scrupulosa Stål

MYRICACEAE

- Myrica gale
Stephanitis oberti (Kolenati)

MYRTACEAE

- Ulotingis decor* Drake and Hambleton
Ulotingis nitor Drake and Hambleton
 Eugenia rhombea
Hybopharsa colubra (Van Duzee)
 Pimenta pimenta
Hybopharsa colubra (Van Duzee)

- Psidium sp.
Gargaphia lumulata (Mayr)
 Psidium guajava
Ulotingis brasiliensis (Drake)

NYCTAGINACEAE

- Pisonia sp.
Acanthocheila armigera (Stål)
 Pisonia aculeata
Acanthocheila sigillata Drake and Bruner
 Pisonia domingensis
Acanthocheila spinicosta Van Duzee
 Pisonia tomentosa
Acanthocheila amigera (Stål)
 Torrubbia fragrans
Acanthocheila spinicosta Van Duzee

OCHNACEAE

- Ouratea sp.
Acanthocheila armigera (Stål)

OLEACEAE

- Adelia acuminata
Leptoypha mutica (Say)
 Chionanthus virginica
Leptoypha mutica (Say)

- Fraxinus* sp.
Corythucha ciliata (Say)
Leptoypha mutica (Say)
- Fraxinus americana*
Leptoypha mutica (Say)
- Fraxinus berlandierana*
Leptoypha barberi Drake and Ruhoff
- Fraxinus caroliniana*
Leptoypha costata Parshley
- Fraxinus mandshurica* v. *japonica*
Leptoypha wuorentausi (Lindberg)
- Fraxinus oregona*
Leptoypha minor McAtee
- Fraxinus pubinervis*
Leptoypha wuorentausi (Lindberg)
- Fraxinus rhynchophylla*
Leptoypha wuorentausi (Lindberg)
- Fraxinus velutina*
Leptoypha minor McAtee
- Jasminum* sp.
Plerochila horvathi (Schouteden)
- Jasminum dichotomum*
Froggattia hargreavesi Drake
- Jasminum pubescens*
Corythauma ayyari (Drake)
- Ligustrum* sp.
Stephanitis pyri (Fabricius)
- Notelaea longifolia*
Froggattia olivinia Froggatt
- Olea* sp.
Catoplatus dilatatus (Jakovlev)
Plerochila rutshurica Schouteden
- Olea chrysophylla*
Cysteochila pallens Horváth
- Olea europaea*
Froggattia olivinia Froggatt
Olastrida oleae Schouteden
Plerochila australis (Distant)
Plerochila horvathi (Schouteden)
- Olea verrucosa*
Cysteochila sordida (Stål)
- Osmanthus americana*
Leptoypha mcateei Drake
- ORCHIDACEAE
- (Intercepted at port-of-entry)
Cattleya dowiana var. *aurea*
Pleseobyrsa plicata (Champion)
- Cattleya schroederiae*
Phatnoma barberi Drake
Phatnoma varians Drake
- Epidendrum cochleatum*
Phatnoma guatemalana Drake
- PALMAE
- Roystonea regia*
Corythucha gossypii (Fabricius)
- Thrinax wendlandiana*
Allotingis binotata (Drake and Bruner)
- PAPILIONACEAE
- Campylotingis carvalhoi* Drake and Hambleton
Tigava gracilis Monte
Tigava praececellens Stål
- PASSIFLORACEAE
- Passiflora caerulea*
Corythaica cyathicollis (Costa)
Gargaphia lunulata (Mayr)
- Passiflora foetida*
Corythaica carinata Uhler
- Passiflora violacea*
Gargaphia lunulata (Mayr)
- PHYTOLACCACEAE
- Phytolacca acinosa*
Cochlochila lewisi (Scott)
- PINACEAE
- Abies alba*
Tingis (Tropidocheila) geniculata (Fieber)
- Juniperus* sp.
Physatocheila dumetorum (Herrich-Schaeffer)
- Juniperus communis*
Tingis (Tropidocheila) geniculata (Fieber)
- Juniperus foetidissima*
Tingis elongata (Fieber)
- Juniperus phoenicea*
Copium intermedium (Rey)
Tingis (Tropidocheila) griseola (Puton)
- Larix decidua*
Dictyonota strichnocera Fieber
- Pinus* sp.
Physatocheila dumetorum (Herrich-Schaeffer)
Tingis ampliata (Herrich-Schaeffer)

Pinus austriaca

Tingis cardui (Linnaeus)

Pinus halepensis

Monosteira unicostata (Mulsant and Rey)

Pinus monophylla

Dictyla labeculata (Uhler)

Pinus sylvestris

Dictyonota strichnocera Fieber*Stephanitis oberti* (Kolenati)*Tingis cardui* (Linnaeus)

PIPERACEAE

Piper nigrum

Diconocoris distanti Drake

PLANTAGINACEAE

Plantago sp.

Galeatus scrophicus Saunders

Plantago aristata

Teleonemia nigrina Champion

Plantago cynops

Acalypta gracilis (Fieber)

Plantago maritima

Agramma confusum (Puton)

Plantago media

Derephysia foliacea (Fallén)

PLATANACEAE

Platanus sp.

Corythucha confraterna Gibson

Platanus occidentalis

Corythucha ciliata (Say)

PLUMBAGINACEAE

Armeria vulgaris

Derephysia foliacea (Fallén)

Statice sp.

Agramma nigrum Fieber*Tingis auriculata* (Costa)

Statice armeria

Derephysia foliacea (Fallén)*Galeatus maculatus* (Herrich-Schaeffer)

POLYGALACEAE

Bredemeyera sp.

Amblystira pallipes (St^ol)

POLYGONACEAE

Eriogonum sp.

Corythaica venusta (Champion)*Teleonemia nigrina* Champion

POLYPORACEAE

Coriolus versicolor

Acalypta musci (Schrank)*Acalypta parvula* (Fallén)

Polyporus hirsutus

Acalypta parvula (Fallén)

Polyporus unicolor

Acalypta musci (Schrank)

Trametes gibbosa

Acalypta musci (Schrank)*Acalypta parvula* (Fallén)

POLYTRICHACEAE

Polytrichum sp.

Acalypta lillianis Torre-Bueno

PROTEACEAE

Banksia robur minor

Euaulana tasmaniae Drake

Protea sp.

Sanazarius productus Distant

Roupala sp.

Amblystira pensa Drake and Hambleton*Corycera gibbosa* Monte

RHAMNACEAE

Ceanothus sp.

Corythucha obliqua Osborn and Drake*Leptoypha minor* McAtee*Melanorhopala infuscata* Parshley

Ceanothus americanus

Gargaphia angulata Heidemann*Melanorhopala infuscata* Parshley

Ceanothus cordulatus

Corythucha obliqua Osborn and Drake

Ceanothus sanguineus

Corythucha obliqua Osborn and Drake

Zizyphus jujuba

Monosteira minutula Montandon

Zizyphus spina-christi

Monosteira minutula Montandon

ROSACEAE

Amelanchier sp.

Corythucha cydoniae (Fitch)

Amelanchier canadensis

Corythucha cydoniae (Fitch)

Amelanchier intermedia

Corythucha cydoniae (Fitch)*Corythucha juglandis* (Fitch)

- Amygdalus* sp.
Physatocheila dumetorum (Herrich-Schaeffer)
Stephanitis pyri (Fabricius)
- Amygdalus communis*
Monosteira unicastata (Mulsant and Rey)
- Cerasus* sp.
Monosteira unicastata (Mulsant and Rey)
- Chaenomeles* sp.
Corythucha cydoniae (Fitch)
- Chaenomeles cathayensis*
Stephanitis nashi Esaki and Takeya
- Chaenomeles japonica*
Stephanitis pyri (Fabricius)
- Cornus* sp.
Stephanitis pyri (Fabricius)
- Cornus tschonoskii*
Stephanitis nashi Esaki and Takeya
- Cotoneaster hupehensis*
Corythucha cydoniae (Fitch)
- Cotoneaster integerrima*
Stephanitis pyri (Fabricius)
- Crataegus* sp.
Corythucha bellula Gibson
Corythucha brunnea Gibson
Corythucha cydoniae (Fitch)
Physatocheila costata subsp. *smreczynskii* China
Physatocheila dumetorum (Herrich-Schaeffer)
Stephanitis nashi Esaki and Takeya
Stephanitis pyri (Fabricius)
- Crataegus albicans*
Corythucha bellula Gibson
- Crataegus coccinea*
Corythucha cydoniae (Fitch)
- Crataegus cordata*
Corythucha cydoniae (Fitch)
- Crataegus crus-galli*
Corythucha cydoniae (Fitch)
Stephanitis pyri (Fabricius)
- Crataegus cuneata*
Stephanitis nashi Esaki and Takeya
- Crataegus monogyna*
Monosteira unicastata (Mulsant and Rey)
- Physatocheila dumetorum* (Herrich-Schaeffer)
- Crataegus neofluvialis*
Corythucha bellula Gibson
- Crataegus oxyacantha*
Physatocheila dumetorum (Herrich-Schaeffer)
- Crataegus parvifolia*
Corythucha cydoniae (Fitch)
- Crataegus pruinosa*
Corythucha bellula Gibson
- Crataegus punctata*
Corythucha bellula Gibson
- Crataegus pyracantha*
Stephanitis pyri (Fabricius)
- Crataegus tomentosa*
Corythucha cydoniae (Fitch)
- Cydonia vulgaris*
Corythucha cydoniae (Fitch)
Derephysia foliacea (Fallén)
Monosteira unicastata (Mulsant and Rey)
Stephanitis pyri (Fabricius)
- Dryas* sp.
Acalypta lillianis Torre-Bueno
- Heteromeles arbutifolia*
Corythucha incurvata Uhler
- Kerria japonica*
Stephanitis nashi Esaki and Takeya
- Malus* sp.
Corythucha cydoniae (Fitch)
Stephanitis nashi Esaki and Takeya
- Malus communis*
Stephanitis pyri (Fabricius)
- Malus floribunda*
Stephanitis nashi Esaki and Takeya
- Malus manschurica*
Leptotypha capitata (Jakovlev)
- Mespilus oxyacantha*
Physatocheila dumetorum (Herrich-Schaeffer)
- Persica vulgaris*
Monosteira unicastata var. *buccata* Horváth
- Potentilla* sp.
Catoplatus nigriceps Horváth
Galeatus maculatus (Herrich-Schaeffer)

- Potentilla freyiana*
Stephanitis nashi var. *suigensis* Saito
- Prunus sp.
Monosteira unicastata (Mulsant and Rey)
Stephanitis nashi Esaki and Takeya
- Prunus americana
Corythucha pergandei Heidemann
- Prunus amygdalus
Monosteira unicastata (Mulsant and Rey)
- Prunus armeniaca
Stephanitis pyri (Fabricius)
- Prunus avium
Stephanitis pyri (Fabricius)
- Prunus cerasus
Gargaphia subpilosa Berg
Monosteira unicastata (Mulsant and Rey)
Stephanitis pyri (Fabricius)
- Prunus demissa
Corythucha padi Drake
- Prunus domestica
Physatocheila dumetorum (Herrich-Schaeffer)
- Prunus lusitanica
Stephanitis pyri (Fabricius)
- Prunus mahaleb
Stephanitis pyri (Fabricius)
- Prunus marasca
Stephanitis pyri (Fabricius)
- Prunus padus
Physatocheila dumetorum (Herrich-Schaeffer)
Physatocheila costata subsp. *smreczynskii* China
- Prunus persica
Corythucha associata Osborn and Drake
Corythucha gossypii (Fabricius)
Gargaphia subpilosa Berg
Monosteira unicastata (Mulsant and Rey)
Stephanitis pyri (Fabricius)
- Prunus serotina
Corythucha associata Osborn and Drake
Corythucha pruni Osborn and Drake
Gargaphia tiliae (Walsh)
- Prunus spinosa
Physatocheila dumetorum (Herrich-Schaeffer)
- Pyrus sp.
Stephanitis nashi Esaki and Takeya
Stephanitis pyri (Fabricius)
- Pyrus americana
Corythucha cydoniae (Fitch)
Corythucha pallipes Parshley
- Pyrus aria
Stephanitis pyri (Fabricius)
Tingis angustata (Herrich-Schaeffer)
- Pyrus aucuparia
Corythucha cydoniae (Fitch)
Stephanitis pyri (Fabricius)
- Pyrus communis
Gargaphia lunulata (Mayr)
Gargaphia subpilosa Berg
Monosteira unicastata (Mulsant and Rey)
Physatocheila confinis Horváth
Physatocheila dumetorum (Herrich-Schaeffer)
Physatocheila costata subsp. *smreczynskii* China
Stephanitis pyri (Fabricius)
- Pyrus malus
Corythucha arcuata (Say)
Corythucha salicata Gibson
Monosteira unicastata (Mulsant and Rey)
Physatocheila dumetorum (Herrich-Schaeffer)
Physatocheila costata subsp. *smreczynskii* China
Stephanitis pyri (Fabricius)
- Pyrus mamorensis
Monosteira unicastata (Mulsant and Rey)
- Pyrus melanocarpa
Corythucha cydoniae (Fitch)
- Pyrus prunifolia
Corythucha pergandei Heidemann
- Pyrus ussuriensis
Leptopypha capitata (Jakovlev)
Stephanitis nashi Esaki and Takeya

- Pyracantha coccinea*
Corythucha cydoniae (Fitch)
- Rosa sp.
Gargaphia lunulata (Mayr)
Stephanitis pyri (Fabricius)
- Rubus sp.
Corythucha juglandis (Fitch)
- Sorbus sp.
Corythucha heidemanni Drake
Corythucha juglandis (Fitch)
Physatocheila costata subsp. *smreczynskii*
 China
- Sorbus americana
Corythucha juglandis (Fitch)
- Sorbus aria
Stephanitis pyri (Fabricius)
- Sorbus aucuparia
Physatocheila costata subsp. *smreczynskii*
 China
- Sorbus cretica
Tingis angustata (Herrich-Schaeffer)
- Sorbus intermedia
Physatocheila costata subsp. *smreczynskii*
 China
- Sorbus torminalis
Stephanitis pyri (Fabricius)
- Vauquelinia californica
Corythucha sagillata Drake
- RUBIACEAE
- Acanthotingis apicicornis* Monte
Leptopharsa distinctis Drake
Leptopharsa divisa (Champion)
Leptopharsa flava Monte
Leptopharsa furculata (Champion)
- Cephaelis hastisepala
Leptopharsa fortis Drake and Hambleton
- Cephalanthus sp.
Corythucha cydoniae (Fitch)
Corythucha floridana Heidemann
- Cephalanthus occidentalis
Corythucha cydoniae (Fitch)
Corythucha floridana Heidemann
- Cinchona sp.
Teleonemia prolixa (Stål)
- Diodia conferta
Corythaica umbrosa (Monte)
- Faramaea sp.
Leptopharsa faramaeae Drake and Hambleton
- Faramaea montevidensis
Stephanitis faramaeae Drake and Hambleton
- Galium sp.
Lasiacantha capucina (Germar)
- Guettarda viburnoides
Pachycysta hambletoni Drake and Poor
- Morinda sp.
Dulinius conchatus Distant
- Posoqueria acutifolia
Leptopharsa posoqueriae Drake and Hambleton
- Psychotria sp.
Leptopharsa fortis Drake and Hambleton
Leptopharsa psychotriae Drake and Hambleton
- Psychotria hancorniaefolia
Leptopharsa ignota Drake and Hambleton
- Psychotria suterella
Leptopharsa hyaloptera (Stål)
- Richardia brasiliensis
Corythaica monacha (Stål)
Corythaica umbrosa (Monte)
- Rudgea sp.
Leptopharsa perbona Drake
Leptopharsa rudgeae Drake and Hambleton
- Rudgea blanchetiana
Leptopharsa nota Drake and Hambleton
- Rudgea villiflora
Leptopharsa furcata (Stål)
- Sickingia tinctoria
Gargaphia patria (Drake and Hambleton)
- RUTACEAE
- Citrus aurantium
Leptobyrsa decora Drake
- Citrus medica
Corythucha gossypii (Fabricius)
- Zanthoxylum martinicense
Corythucha gossypii (Fabricius)

SALICACEAE

- Populus sp.
Corythucha mollicula Osborn and Drake
Monosteira unicostata (Mulsant and Rey)
Stephanitis pyri (Fabricius)
Tingis populi Takeya
Tingis (Tropidocheila) geniculata (Fieber)
 Populus alba
Monosteira unicostata (Mulsant and Rey)
 Populus balsamifera
Corythucha elegans Drake
 Populus candicans
Leptopypha minor McAtee
 Populus grandidentata
Corythucha elegans Drake
 Populus nigra
Monosteira unicostata (Mulsant and Rey)
Tingis lanigera (Puton)
Tingis populi Takeya
 Populus tremula
Monosteira unicostata (Mulsant and Rey)
Physatocheila costata (Fabricius)
Tingis populi Takeya
 Populus tremuloides
Corythucha elegans Drake
 Salix sp.
Corythucha elegans Drake
Corythucha mollicula Osborn and Drake
Corythucha pallipes Parshley
Monosteira lobulifera Reuter
Monosteira unicostata (Mulsant and Rey)
Stephanitis takeyai Drake and Maa
Tingis populi Takeya
 Salix discolor
Corythucha mollicula Osborn and Drake
 Salix hookeriana
Corythucha mollicula Osborn and Drake
 Salix koreensis
Tingis populi Takeya
 Salix lasiandra
Corythucha salicata Gibson
Physatocheila variegata Parshley

- Salix purpurea
Dictyla salicorum (Baba)
 Salix scouleriana
Corythucha salicata Gibson
 Salix sieboldiana
Corythucha pallipes Parshley

SAPINDACEAE

- Serjania sp.
Amblystira pallipes (Stål)
Amblystira silvicola Drake
Gargaphia obliqua Stål
Gargaphia serjaniae Drake and Hambleton
Planibyrsa montei Drake and Hambleton

SAPOTACEAE

- Lucuma sp.
Aristobyrsa latipennis (Champion)

SAXIFRAGACEAE

- Hydrangea integra
Stephanitis hydrangeae Drake and Maa
 Ribes sp.
Corythucha mollicula Osborn and Drake
 Ribes nigrum
Stephanitis pyri (Fabricius)
 Ribes oxyacanthoides
Corythucha bellula Gibson

SCROPHULARIACEAE

- Adenostegia filifolia
Teleonemia nigrina Champion
Teleonemia notata Champion
 Adenostegia pilosa
Teleonemia nigrina Champion
Teleonemia notata Champion
 Penstemon sp.
Teleonemia montivaga Drake
 Verbascum sp.
Dictyonota (Alcletha) tricornis (Schrank)
Tingis ampliata (Herrich-Schaeffer)
Tingis (Lasiotropis) reticulata Herrich-Schaeffer
 Verbascum phlomoides
Tingis (Lasiotropis) ragusana (Fieber)
 Verbascum thapsus
Tingis (Lasiotropis) reticulata Herrich-Schaeffer

SOLANACEAE

- Brunfelsia* sp.
Gargaphia brunfelsiae Monte
Gargaphia munda (Stål)
- Brunfelsia hopeana*
Gargaphia brunfelsiae Monte
Gargaphia munda (Stål)
- Lycopersicum esculentum*
Corythaica costata Gibson
Corythaica cyathicollis (Costa)
Gargaphia solani Heidemann
- Nicotiana tabacum*
Acanthocheila armigera (Stål)
- Solanum* sp.
Corythucha fuscomaculata (Stål)
Corythucha globigera Breddin
Corythucha nobilis Drake and Bondar
Gargaphia angulata Heidemann
Gargaphia crotonae Drake and Hambleton
Gargaphia decoris Drake
Gargaphia iridescens Champion
Gargaphia munda (Stål)
Gargaphia nigrinervis Stål
Gargaphia solani Heidemann
- Solanum argillicolum*
Corythaica cyathicollis (Costa)
- Solanum auriculatum* (?)
Gargaphia decoris Drake
- Solanum balbisii*
Corythaica cyathicollis (Costa)
- Solanum bonariense*
Corythaica cyathicollis (Costa)
- Solanum capsicastrum*
Gargaphia oreades Drake
- Solanum carolinense*
Gargaphia solani Heidemann
- Solanum concinnum*
Gargaphia formosa (Stål)
- Solanum dulcamara*
Galeatus spinifrons (Fallén)
- Solanum elaeagnifolium*
Corythaica cyathicollis (Costa)
Gargaphia solani Heidemann
- Solanum gilo*
Corythaica cyathicollis (Costa)
- Solanum grandiflorum*
Corythaica cyathicollis (Costa)
- Solanum hinsianum*
Gargaphia gentilis Van Duzee
- Solanum hirtum*
Corythaica cyathicollis (Costa)
- Solanum juripeba*
Corythaica cyathicollis (Costa)
- Solanum lycopersicum*
Corythaica cyathicollis (Costa)
Corythucha gossypii (Fabricius)
- Solanum melongena*
Corythaica carinata Uhler
Corythaica cyathicollis (Costa)
Corythucha gossypii (Fabricius)
Gargaphia opacula Uhler
Gargaphia solani Heidemann
Urentius hystricellus (Richter)
- Solanum nigrum*
Gargaphia oreades Drake
- Solanum nigrum americanum*
Corythaica cyathicollis (Costa)
- Solanum paniculatum*
Corythaica cyathicollis (Costa)
- Solanum pulverulentum*
Corythaica cyathicollis (Costa)
- Solanum quiteense*
Corythaica cyathicollis (Costa)
- Solanum racemiflorum*
Corythaica cyathicollis (Costa)
- Solanum racemosum*
Corythaica cyathicollis (Costa)
- Solanum sisymbriifolium*
Corythaica cyathicollis (Costa)
- Solanum tabacifolium*
Corythucha cyathicollis (Costa)
- Solanum torvum*
Corythaica cyathicollis (Costa)
Corythucha gossypii (Fabricius)
Corythucha spinosa (Dugès)
Tigava pulchella Champion
- Solanum tuberosum*
Corythaica cyathicollis (Costa)
Gargaphia solani Heidemann
Gargaphia subpilosa Berg
- Solanum variabile*
Corythaica cyathicollis (Costa)
- Solanum verbascifolium*
Dictyla rasilis (Drake and Maa)

STAPHYLEACEAE

- Staphylea trifolia
Corythucha bulbosa Osborn and Drake

STERCULIACEAE

- Hermannia micropetala
Urentius veprii Drake

STYRACACEAE

- Styrax japonica
Stephanitis takeyai Drake and Maa

THYMELEACEAE

- Pimelea sp.
Oncophysa vesiculata (Stål)

TILIACEAE

- Corchorus hirsutus
Corythaica carinata Uhler
- Tilia sp.
Gargaphia tiliae (Walsh)
Stephanitis pyri (Fabricius)
- Tilia americana
Corythucha juglandis (Fitch)
Corythucha pallida Osborn and Drake
Gargaphia tiliae (Walsh)
- Tilia pubescens
Gargaphia tiliae (Walsh)
- Triumfetta sp.
Gargaphia torresi Costa Lima

- Triumfetta flavescens
Compseuta montandoni Distant
- Triumfetta grossulariaefolia
Corythucha spinosa (Dugès)
- Triumfetta rhombeaefolia
Ammianus schoutedeni Distant
- Triumfetta rhomboidea
Corythucha fuscomaculata (Stål)
- Triumfetta semitriloba
Corythucha fuscomaculata (Stål)

TURNERACEAE

- Piriqueta ovata
Corythaica carinata Uhler

TYPHACEAE

- Typha latifolia
Agramma atricapillum (Spinola)
Agramma intermedium (Wagner)

ULMACEAE

- Celtis brasiliensis
Atheas placentis Drake and Poor
Corythucha pellucida Drake and Hambleton

- Celtis crassifolia
Corythucha pergandei Heidemann
- Celtis ferruginea
Corythucha pellucida Drake and Hambleton
- Celtis mississippiensis
Corythucha celtidis var. *mississippiensis* Drake
- Celtis occidentalis
Corythucha celtidis Osborn and Drake
- Ulmus sp.
Corythucha pergandei Heidemann
- Ulmus americana
Corythucha heidemanni Drake
Corythucha ulmi Osborn and Drake
- Ulmus campestris
Stephanitis pyri (Fabricius)
- Ulmus effusa
Stephanitis pyri (Fabricius)
- Ulmus fulva
Corythucha heidemanni Drake
Corythucha ulmi Osborn and Drake
- Ulmus glabra camperdownii
Corythucha ulmi Osborn and Drake
- Ulmus thomasi
Corythucha ulmi Osborn and Drake

UMBELLIFERAE

- Caucalis daucoides
Tingis auriculata (Costa)
Tingis auriculata var. *dauci* Horváth
- Daucus carota
Tingis auriculata (Costa)
Tingis auriculata var. *dauci* Horváth
- Eryngium sp.
Catoplatus carthusianus (Goeze)
Catoplatus carthusianus var. *albidus* (Herrich-Schaeffer)
Catoplatus horvathi (Puton)
- Eryngium amethystinum
Catoplatus carthusianus (Goeze)
- Eryngium campestre
Catoplatus carthusianus (Goeze)
Catoplatus horvathi (Puton)
Catoplatus nigriceps Horváth
- Eryngium maritimum
Catoplatus carthusianus (Goeze)

- Seseli glaucum
Catoplatus carthusianus (Goeze)
Catoplatus carthusianus var. *albidus*
 (Herrich-Schaeffer)
- Torilis arvensis
Tingis auriculata (Costa)
- URTICACEAE
- Corythucha clara* Drake and Hambleton
- Boehmeria cylindrica v. drummondiana
Leptopharsa machalana var. *vinnula*
 Drake and Hambleton
- Boehmeria spicata
Cystechila fieberi (Scott)
- Phyllostylon rhamnoides
Dicrotingis digitalis (Drake)
- Pipturus sp.
Phatnoma veridica Drake and Maa
- VACCINIACEAE
- Myrtillus uliginosus
Stephanitis oberti (Kolenati)
- VERBENACEAE
- Callicarpa americana
Teleonemia lefragii Stål
- Clerodendron sp.
Paracopium hamadryas (Drake)
- Clerodendron buchholzi
Paracopium hamadryas (Drake)
- Clerodendron giletii
Paracopium bequaerti (Schouteden)
- Clerodendron micans
Paracopium dauphinicum Drake
- Clerodendron phlomoides
Paracopium cingalense (Walker)
- Clerodendron subreniforme
Paracopium hamadryas (Drake)
- Duranta repens
Teleonemia notata Champion
- Gmelina arborea
Tingis (Caenotingis) beelsoni Drake
- Gmelina leichardtii
Lasiacantha compta (Drake)
- Kalaharia (Clerodendron) spinescens
Paracopium stolidum (Horváth)
- Lantana sp.
Compsauta lefroyi Distant
Corythaica venusta (Champion)
- Corythauma ayyari* (Drake)
Habrochila africana Drake
Haedus pictus (Distant)
Naochila sufflata (Drake and Poor)
Phatnoma takasago Takeya
Teleonemia bifasciata Champion
Teleonemia carmelana (Berg)
Teleonemia elata Drake
Teleonemia notata Champion
Teleonemia variegata Champion
- Lantana aculeata
Teleonemia scrupulosa Stål
- Lantana brasiliensis
Teleonemia scrupulosa Stål
- Lantana camara
Corythucha spinosa (Dugès)
Teleonemia limbata (Stål)
Teleonemia prolixa (Stål)
Teleonemia sacchari (Fabricius)
Teleonemia scrupulosa (Stål)
Teleonemia validicornis Stål
- Lantana canescens
Teleonemia sacchari (Fabricius)
Teleonemia scrupulosa Stål
Teleonemia syssita Drake and Cobben
- Lantana involucrata
Teleonemia sacchari (Fabricius)
- Lantana montevidensis
Teleonemia scrupulosa Stål
- Lippia alba
Teleonemia scrupulosa Stål
- Lippia juncea
Teleonemia carmelana (Berg)
- Premna sp.
Ectoneus esakii Drake
- Premna gaudichaudii
Berotingis guamensis (Drake)
Berotingis yapensis (Drake)
- Rhaphithamnus spinosus
Teleonemia carmelana (Berg)
- Tectona grandis
Cochlochila nilgiriensis (Distant)
- Verbena sp.
Teleonemia nigrina Champion
- Vitex heterophylla
Cromerus kalshoveni Drake

- Vitex pubescens
 Ammianus ravanus (Kirkaldy)
- Vitex ruganda
 Dasytingis rudis Drake and Poor
- Vitex trifolia
 Ammianus ravanus (Kirkaldy)
 Tingis buddleiae Drake
- VITACEAE
- Cissus japonica
 Cystechila chiniana Drake
- ZINGIBERACEAE
- Alpina chinensis
 Stephanitis typica (Distant)
- Alpina japonica
 Stephanitis typica (Distant)
- Alpina nutans
 Stephanitis typica (Distant)
- Alpina speciosa
 Stephanitis typica (Distant)
- Elettaria cardamomum
 Stephanitis typica (Distant)
- Hedychium sp.
 Stephanitis typica (Distant)
- Zingiber kawagooii
 Stephanitis typica (Distant)
- Zingiber mioga
 Stephanitis typica (Distant)

Host Plants Cited Only as Common Names

- Alder
Corythucha padi Drake
Corythucha salicata Gibson
Leptopharsa clitoriae (Heidemann)
Physatocheila variegata Parshley
- Ash
Derephysia foliacea (Fallén)
Dictyonota mitoris Drake and Hsiung
Leptoypa drakei McAtee
- Avocado
Pleseobyrsa boliviana Drake and Poor
Tigava pulchella Champion
- Bamboo
Leptodictya (Hanuala) comes Drake and Hambleton
Leptodictya (Hanuala) cretata Champion
Leptodictya (Hanuala) decor Drake and Hambleton
Leptodictya (Hanuala) ecuadoris Drake and Hambleton
Leptodictya (Hanuala) fraterna Monte
Leptodictya (Hanuala) fuscocincta (Stål)
Leptodictya (Hanuala) laidis Drake and Hambleton
Leptodictya (Hanuala) litigiosa Monte
Leptodictya (Hanuala) lucida Drake and Hambleton
Leptodictya (Hanuala) nigrosis Drake and Hambleton
Leptodictya ochropa (Stål)
Leptodictya (Hanuala) parilis Drake and Hambleton
Leptodictya (Hanuala) simulans Heidemann
Leptodictya (Hanuala) tabida (Herrich-Schaeffer)
- Bean
Gargaphia angulata Heidemann
- Bean, kidney
Leptodictya (Hanuala) colombiana Drake
- Broom
Dictyonota fuliginosa Costa
Dictyonota strichnocera Fieber
- Cabbage
Corythaica cyathicollis (Costa)
- Cacao
Amblystira machalana Drake
Ammianus alberti (Schouteden)
Dichocysta pictipes Champion
Habrochila placida Horváth
Phatnoma marmorata Champion
- Camphor
Stephanitis typica (Distant)
- Chaparral
Corythucha fuscigera (Stål)
- Cherry
Corythucha cerasi Drake
Phymacysta tunida (Champion)
- Coconut
Stephanitis typica (Distant)
- Coffee
Habrochila ghesquierei Schouteden
Habrochila placida Horváth
Leptopharsa flava Monte
- Cotton
Dictyla monotropidia (Stål)
- Cottonwood
Physatocheila variegata Parshley
- Ebony
Corythucha morrilli Osborn and Drake
Teleonemia scrupulosa Stål
- Elm
Tingis (Tropidocheila) gamboana Drake and Hambleton
- Grapefruit
Corythucha gossypii (Fabricius)
- Grass
Leptodictya (Hanuala) madelinae Drake
- Hazelnut
Corythucha padi Drake
- Heath
Agramma laetum (Fallén)
- Heliotrope
Cochlochila bullita (Stål)

- Hickory
Physatocheila plexa (Say)
Physatocheila variegata Parshley
- Hollyhock
Corythucha distincta Osborn and Drake
Gargaphia iridescens Champion
Gargaphia solani Heidemann
Sphaerocysta globifera (Stål)
- Hops
Acalypta barberi Drake
- Ivy
Derephysia foliacea (Fallén)
- Jasmine
Cochlochila exolenta Drake
- Lemon
Corythucha gossypii (Fabricius)
- Loquat
Corythucha cydoniae (Fitch)
- Maize
Gargaphia torresi Costa Lima
Leptodictya (Hanuala) bambusae Drake
Leptodictya (Hanuala) tabida (Herrich-Schaeffer)
- Mango
Corythucha gossypii (Fabricius)
- Mangle
Leptopypha morrisoni Drake
- Maple
Corythucha arcuata (Say)
- Millet
Kapiriella polita (Drake)
- Moss
Acalypta barberi Drake
Acalypta brunnea (Germar)
Acalypta carinata (Panzer)
Acalypta cooleyi Drake
Acalypta duryi Drake
Acalypta gracilis (Fieber)
Acalypta lillianis Torre-Bueno
Acalypta marginata (Wolff)
Acalypta mniophila Drake and Ruhoff
Acalypta musci (Schrank)
Acalypta musci var. *ditata* (Puton)
Acalypta nigrina (Fallén)
Acalypta nyctalis Drake
Acalypta parvula (Fallén)
Acalypta platycheila (Fieber)
Acalypta pulchra Štušák
- Acalypta saundersi* (Downes)
Acalypta thomsonii Stål
Agramma lactum (Fallén)
Agramma ruficornae (Germar)
Campylosteira ciliata Fieber
Campylosteira falleni Fieber
Campylosteira verna (Fallén)
Derephysia foliacea (Fallén)
Dictyonota strichnocera Fieber
Esocanphylia hackeri Drake
Gonycentrum tindalei (Hacker)
Lasiacantha capucina (Germar)
- Nettle, sand
Gargaphia iridescens Champion
- Oak
Corythucha cerasi Drake
Corythucha floridana Heidemann
Melanorhopala clavata (Stål)
Physatocheila plexa (Say)
Stephanitis quercu Bergroth
- Orange
Corythucha gossypii (Fabricius)
- Papaya
Aconchus urbanus (Horváth)
- Pea
Gargaphia subpilosa Berg
- Pear
Corythucha cydoniae (Fitch)
- Pepper
Diconocoris greeni (Kirby)
Diconocoris hewetti (Distant)
Nesocypselas piperica Drake
- Pine
Physatocheila variegata Parshley
- Pineapple
Phatnoma marmorata Champion
Phatnoma trinidadana Drake
- Polony
Leptopharsa milleri Drake
- Poplar
Corythucha salicata Gibson
- Rose
Corythucha arcuata (Say)
- Sedge
Cyperobia carectorum Bergroth
- Snapdragon
Teleonemia nigrina Champion

- Soursop
Corythucha gossypii (Fabricius)
- Sugarcane
Abdastartus sacchari Drake
Leptodictya (Hanuala) tabida (Herrich-Schaeffer)
Teleonemia sacchari (Fabricius)
- Sugar beets
Teleonemia nigrina Champion
- Sunflower
Galeatus scrophicus Saunders
- Sweet potato
Gargaphia torresi Costa Lima
- Sycamore
Corythucha salicata Gibson
- Tea
Habrochila chinensis Drake
Stephanitis (Norba) chinensis Drake
- Teak
Amblystira machalana Drake
Pontanus puerilis (Drake and Poor)
- Thistle
Gargaphia bimaculata Parshley
- Tobacco
Corythaica cyathicollis (Costa)
Malala bulliens Distant
- Tomato
Corythaica monacha (Stål)
- Walnut
Corythucha padi Drake
- Willow
Gargaphia opacula Uhler
Physatocheila plexa (Say)
- Yautia
Corythucha gossypii (Fabricius)

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Index

[Genera and subgenera in CAPITALS, with synonyms followed by an asterisk (*); species and subspecies in roman, with synonyms in *italics*.]

- ABDASTARTUS Distant, 43
 atrus (Motschulsky), 43
 longulus Drake, 43
 muiri Drake, 91
 sacchari Drake, 43
 tyrianus Distant, 43
abdita Drake, Corythucha, 141
abdita Drake, Teleonemia, 370
abdivitus Drake, Cantacader, 23
abducta Buchanan-White, Acanthocheila, 56
abetti Schouteden, Cysteochila, 163
abimva (Schouteden), Elasmotropis, 203
ablusa Drake, Cysteochila, 164
ablusa Drake and Hambleton, Pleseobyrsa, 341
absimilis Drake, Lasiacantha, 253
absimilis Drake, Nethersia, 305
absimilis Drake and Hambleton, Teleonemia, 370
absita Drake and Ruhoff, Perissonemia, 323
absona Drake, Parada, 319
abundans Drake and Hambleton, Tingis, 409
abundans Drake and Poor, Cysteochila, 164
abundantis Drake and Poor (*see* abundans)
abutilinus Priesner and Alfieri, Uren-tius, 423
abyssinica (Drake), Dictyla, 181
ACALYPTA Westwood, 43
 acuminata (Herrich-Schaeffer), 45
 acutangula (Jakovlev), 44
 acutispinis (Reuter), 49
 angustula Horváth [var.], 46
 barberi Drake, 44
 biseriata (Thomson), 47
 brunnea (Germar), 44
 carinata (Panzer), 45
 carpathica Horváth, 46
 cassidea (Fallén), 45
 cervina (Germar), 45
 cinerea (Fieber), 51
 concinna (Douglas and Scott), 44
 cooleyi Drake, 46
 cylindricornis (Thomson), 49
 ditata (Puton) [var.], 50
 duryi Drake, 46
 elegans Horváth, 46
 elinoides (Jakovlev), 47
 finitima (Puton), 47
 fracta (Herrich-Schaeffer), 45
 fuscicornis (Rey) [var.], 53
 gracilis (Fieber), 47
 grisea Heidemann, 48
 hellenica Reuter, 48
 heteropepla Horváth, 48
 hoberlandti Roubal, 48
 intermedia (Flor), 53
 lillianus Torre-Bueno, 48
 macrophthalma (Fieber), 49
 macroptera (Ferrari) [var.], 53
 madelinae Torre-Bueno, 55
 major (Ferrari) [var.], 53
 marginata (Wolff), 49
 mera Drake, 44
 minor (Ferrari) [var.], 53
 mniophila Drake and Ruhoff, 50
 modesta Parshley, 48
 montana Hoberlandt, 50
 musci (Schrank), 50
 nigrina (Fallén), 51
 nigrinervis Stål, 52
 nyctalis Drake, 52
 obscura (Herrich-Schaeffer), 52

- ACALYPTA Westwood—Continued
ovata Osborn and Drake, 48
ovata (Osborn and Drake), 46
pallescens (Ferrari) [var.], 53
parvula (Fallén), 52
platycheila (Fieber), 53
propinqua (Ferrari), 47
pulchra Štušák, 54
pusilla (Fallén), 51
pusilla (Herrich-Schaeffer), 49
reticosta (Thomson), 47
samara (Puton), 54
saundersi (Downes), 54
sauteri Drake, 54
sejuncta Horváth, 54
sibirica Jakovlev, 55
sordida (Jakovlev), 55
subtilis (Reuter), 55
suturalis (Puton), 55
thomsonii Stål, 55
triseriata Stichel [var.], 51
uniseriata (Puton), 56
vanduzeei Drake, 56
vandykei Drake, 56
- ACALYPTINI* Blatchley, 42
acalyptoides Montandon, *Cyclotnaspis*,
 31
- ACANTHIA auct.
costata Fabricius, 330
gossypii Fabricius, 149
humuli Fabricius, 188
marginata Wolff, 49
pyri Fabricius, 359
quadrimaculata Wolff, 330
sacchari Fabricius, 382
sidae Fabricius, 384
tricornis Schrank, 437
- ACANTHOCHEILA Stål—Continued
abducta Buchanan-White, 56
armigera (Stål), 56
comentis Drake, 57
comitis Drake, 57
denieri Monte, 57
dira Drake and Hambleton, 57
exquisita Uhler, 58
hollandi Drake, 58
kahavalu Kirkaldy, 56
nexa Drake, 58
- ACANTHOCHEILA Stål—Continued
nigrescens Drake and Bondar, 58
plana Drake [var.], 58
rustica Monte, 58
sigillata Drake and Bruner, 58
spinicosta Van Duzee, 59
spinidigera (Stål), 56
thaumana Drake and Cobben, 59
tumida Drake, 59
visenda Drake and Hambleton, 59
Acanthochila auct. (see *Acanthochila*)
- ACANTHOTINGIS Monte, 59
apicicornis Monte, 60
- ACARES Drake and Ruhoff, Malandiola,
 295
- accedens* (Drake), Pontanus, 345
accedentis (Drake) (see *accedens*)
acculta Drake and Poor, *Corythucha*,
 141
- acheranthi* Menon and Hakk, *Phyllo-*
gasterotingis, 445
- acmonis* Drake and Hambleton, Garga-
 phia, 221
- ACONCHUS Horváth, 60
ghesquierei Schouteden, 60
urbanus (Horváth), 60
- acris* Drake, Tingis, 409
acuminata (Herrich-Schaeffer), *Acalypta*,
 45
- acuta* (Drake), *Corythaica*, 135
acutangula (Jakovlev), *Acalypta*, 44
acutispinis (Reuter), *Acalypta*, 49
- ACYSTA Champion, 60
australis Drake, 60
brasiliensis Drake, 421
hubbelli Drake, 60
integra Champion, 61
interrupta Champion, 61
myrocarpi Drake and Poor, 61
nectandrae Drake and Hambleton,
 61
neivai Drake and Hambleton, 61
ocoteae Drake and Hambleton, 61
perseae Heidemann, 346
praeclara Drake and Hambleton, 61
uniseriata Drake, 422
- addita* Horváth [var.], Tingis, 398
adeia Drake, *Hebetingis*, 241

- adelpha* Horváth [var.], Biskria, 430
adenana Drake, Cochlochila, 119
admirandus (Drake), Ammianus, 84
adocetus Drake, Belenus, 98
adolpha Drake, Pachycysta, 312
adumbratum (Horváth), Copium, 128
adversa (Drake and Hambleton), Pliobyrsa, 343
aechemeae Drake and Hambleton, Psilobyrsa, 346
aegyptiaca Priesner, Tingis, 409
aegyptiacus Bergevin, Urentius, 423
aemula Drake, Cochlochila, 119
aemula Drake, Tingis, 390
aemula Monte, Telconemia, 370
aemulus Drake [ssp.], Nesocypselas, 304
AEPYCYSTA Drake and Bondar, 62
 decorata Monte, 62
 schwarzi (Drake), 62
 undosa Drake and Bondar, 62
aesculi Osborn and Drake, Corythucha, 141
aetheria Drake and Ruhoff, Tingis, 405
aethiops (Distant), Gonycentrum, 32
aethiops Horváth, Dictyonota, 436
affinata Drake and Hambleton, Liotingis, 292
affinis (Herrich-Schaeffer), Galeatus, 220
affinis Schouteden, Aglotingis, 63
afra Drake and Smithers, Pogonostyla, 344
AFRAXIA Drake and Ruhoff, 62
 roboris (Drake), 62
afranum Drake and Ruhoff, Agramma, 64
africana Drake, Habrochila, 236
africana Drake, Sabestena, 348
africanum Drake, Paracopium, 313
afrum Drake and Ruhoff, Gonycentrum, 32
afzelii Stål, Cantacader, 23
AGACHILA Drake and Gomez-Menor, 62
 biafrana Drake and Gomez-Menor, 63
agaica Drake, Stephanitis, 353
agalma Drake and Cobben, Corythucha, 141
AGAOTINGIS Drake, 63
 australis (Montrouzier), 63
agilis Drake, Cantacader, 24
aglaia Drake and Ruhoff, Physatocheila, 328
AGLOTINGIS Drake, 63
 affinis Schouteden, 63
 basilewskyi Schouteden, 63
 nimbana Drake, 63
AGRAMMA Stephens, 64
 afranum Drake and Ruhoff, 64
 aliwalanum (Drake), 64
 angolana Drake, 64
 angolanum (Drake), 64
 antennatum (Horváth) [var.], 67
 apicorne (Horváth) [var.], 71
 atricapillum (Spinola), 65
 basilicorne (Drake), 66
 blandulum (Horváth), 66
 brevirostris (Jakovlev), 65
 carinatum (Distant), 66
 collare (Horváth) [var.], 73
 confusum (Puton), 66
 depressum Jakovlev, 72
 dilectulum (Drake), 67
 dubium (Horváth), 67
 ecmeles Drake and Ruhoff, 67
 elegans Kiritschenko, 68
 fallax (Horváth), 68
 femorale (Thomson), 68
 formosanum (Matsumura), 68
 gibbum Fieber, 69
 globiceps (Horváth), 69
 gracilicorne (Wagner), 69
 hupehanum (Drake and Maa), 69
 imbecillum (Horváth) [var.], 67
 intermedium (Wagner), 69
 japonicum (Drake), 70
 karisimbiense (Schouteden), 70
 kivuanum (Drake), 70
 laetum (Fallén), 70
 leleupi (Schouteden), 71
 lineatum (Horváth), 71
 longum (Drake), 71
 longurium Drake, 72
 maynei (Schouteden), 72
 melanoscele (Horváth), 72

- AGRAMMA Stephens—Continued
 mendax (Horváth) [var.], 65
 minor (Distant), 72
 minutum Horváth, 72
 muelleri (Wagner) [var.], 72
 nexile (Drake), 73
 nigrellum Drake, 73
 nigriceps Signoret, 207
 nigrum Fieber, 73
 onar Drake, 73
 pallens (Horváth) [var.], 65
 pallidulum (Schouteden), 74
 peringueyi (Distant), 74
 pictipenne (Horváth), 74
 pictum (Schouteden) [var.], 74
 poppii (Horváth) [var.], 68
 pullum Drake, 74
 ruficorne (Germar), 74
 rwindianum (Drake), 75
 scitulum Drake and Maa, 75
 sedale (Drake), 75
 singulum (Drake), 75
 sociale (Drake), 76
 striolum (Drake), 76
 thoracicum (Horváth) [var.], 67
 tricolor (Laporte), 70
 tropidopterum Flor, 76
 turanicum (Horváth), 76
 umbrosum (Horváth), 76
 vanderysti (Schouteden), 76
 vicinale (Drake), 77
 vulturnum (Kirkaldy), 77
 AGRAMMATINAE Douglas and Scott, 42
 AGRAMMODES, 445
 costatus Uhler, 445
agviates Drake and Ruhoff, *Phatnoma*,
 35
agviates Drake and Ruhoff, *Eritingis*, 208
 AIDONEUS Distant, 77
 dissimilis Distant, 77
 AIDONEUSARIA* Distant, 42
 AIDONEUSINAE* Menon and Hakk, 42
aima Drake, *Dictyla*, 181
ainslicii (Drake and Poor), *Dictyla*, 181
ajugarum (Frey-Gessner), *Tingis*, 405
alata (Fabricius), *Tingis*, 445
alaticollis (Stål), *Ammianus*, 84
albella Drake, *Leptoparsa*, 270
alberti (Schouteden), *Ammianus*, 6, 84
albescens Drake, *Gargaphia*, 221
albida (Fieber) [misident.], *Catoplatus*,
 112
albidus (Herrich-Schaeffer) [var.], *Cato-*
 platus, 113
albilatera (Stål), *Teleonemia*, 385
albipennis von Baerensprung, *Dictyo-*
 nota, 433
albipennis Ferrari [misident.], *Dictyo-*
 nota, 435
alboater Drake and Hambleton, *Cory-*
 cera, 132
albo costa (Drake), *Corycera*, 133
albo costata Berg, *Opisthochasis*, 445
albofasciatum Hacker, *Paracopium*, 314
albomarginata Champion, *Teleonemia*,
 385
 ALCLETHA Kirkaldy [subg.], 436
aletheia Drake and Ruhoff, *Cysteocheila*,
 164
alfierii Drake and Ruhoff, *Sabestina*, 348
algericus Lindberg, *Hyalochiton*, 245
alia Drake and Cobben, *Dictyla*, 181
allicollis (Walker), *Collinutius*, 122
aliena (Fieber), *Monosteira*, 299
alitophrosyne Horváth [misident.], *Epi-*
 mixia, 207
alitophrosyne Kirkaldy, *Epimixia*, 207
aliwalanum (Drake), *Agramma*, 64
 ALLOCADER Drake, 22
 cordatus (Hacker), 22
 leai (Hacker), 23
 nesiotes Drake and Ruhoff, 23
 ALLOEOCYSTA Drake, 77
 approba Drake, 77
 ALLOEODERES Drake, 30
 davao Drake, 30
 ALLOIOTHUCHA Drake, 77
 artocarpi (Horváth), 78
 necopinata Drake, 78
 philippinensis Drake, 78
 ALLOTINGIS Drake, 78
 binotata (Drake and Bruner), 78
 immaculata Drake and Hambleton,
 293
 insulicola Drake and Poor, 78

- atilis* Drake and Hambleton, Teleonemia, 371
altimitrata (Takeya), Lasiacantha, 253
 ALVEOTINGIS Osborn and Drake, 79
 brevicornis Osborn and Drake, 79
 grossocerata Osborn and Drake, 79
 minor Osborn and Drake, 79
 AMAUROSTERPHUS* Stål, 370
amazonica Drake and Hambleton, Phatnoma, 35
amazonica Horváth, Teleonemia, 371
ambigua Horváth, Stephanitis, 354
ambigua Matsumura [misident.], Stephanitis, 357
 AMBLYSTIRA Stål, 79
 amica Drake and Ruhoff, 79
 angella Drake and Ruhoff, 80
 atrinervis Champion, 80
 dozieri Drake and Hambleton, 79
 fuscitarsis Champion, 80
 hirta Monte, 326
 laevifrons Champion, 80
 machalana Drake, 80
 maculata Van Duzee, 80
 marginata Drake, 81
 melanosoma Monte, 81
 morrisoni Drake, 81
 nyctalis Drake, 81
 opaca Champion, 81
 pallipes (Stål), 81
 peltogyne Drake and Hambleton, 82
 pensa Drake and Hambleton, 82
 scita Drake and Hambleton, 82
 separata Drake and Hambleton, 134
 silvicola Drake, 82
 socia Drake, 82
 solida Drake, 82
 solida Drake, 79
amboinae Drake and Poor, Stephanitis, 354
 AMBOTINGIS Drake and Ruhoff, 83
 senta (Drake and Hambleton), 83
 AMBYCYSTA Drake and Hurd, 83
 championi (Drake), 83
 cornuta (Monte), 83
 enodis Drake, 83
 gibifera (Picado), 83
americana Drake, Tingis, 391
americana Parshley [var.], (Dictyonota), 439
 AMERICIA* Stål, 370
 annae Kirkaldy, 371
amica Drake and Hambleton, Dicysta, 198
amica Drake and Ruhoff, Amblystira, 79
amitina (Horváth), Dictyla, 181
 AMMIANUS Distant, 84
 admirandus (Drake), 84
 alaticollis (Stål), 84
 alberti (Schouteden), 6, 84
 amoenus Drake, 88
 basilewskyi Schouteden, 85
 bobangensis (Schouteden), 85
 burgeoni (Schouteden), 85
 corticinus (Horváth), 85
 depictus (Schouteden), 85
 dilatatus (Guérin-Méneville), 86
 elisabethae (Schouteden), 86
 erosus (Fieber), 86
 flabilis (Bergroth), 87
 ghesquierei (Schouteden), 87
 junodi (Distant), 87
 kassianoffi Drake, 87
 laminatus (Horváth), 87
 maseruanus (Drake), 87
 mayri (Haglund), 88
 mussolinii (Mancini), 88
 obscura (Schouteden) [var.], 88
 obscurus (Schumacher) [var.], 86
 perakensis (Distant), 88
 philippinensis (Distant), 88
 ravanus (Kirkaldy), 89
 schoutedeni Distant, 89
 septuosus Drake and Ruhoff [ssp.], 88
 spinosus (Schouteden), 89
 tellini (Schouteden), 89
 toi (Drake), 89
 tricarinatus (Schouteden) [var.], 85
 urundicus Schouteden, 90
 vanderijsti (Schouteden), 90
 vicinus Schouteden, 90
 wahlbergi (Stål), 90
amoena Drake and Ruhoff, Eritingis, 208
amoenus Drake, Ammianus, 88
amorphae (Walsh), Gargaphia, 221

- ampliata* (Hacker), *Tanybyrsa*, 369
ampliata (Herrich-Schaeffer), *Tingis*, 391
ampliata (Matsumura) [misident.], *Tingis*, 404
amplicosta (Montandon) [var.], (*Tingis*), 415
amydis Drake, *Cantacader*, 24
anceps (Horváth), *Leptoypha*, 287
angella Drake and Ruhoff, *Amblystira*, 80
ANGIOCADER Drake, 30
 obesus (Distant), 30
angolana Drake, *Agramma*, 64
angolanum (Drake), *Agramma*, 64
angolensis Drake, *Eteoneus*, 211
ANGOLOTINGIS Drake, 90
 vilhenai Drake, 90
ANGOLUSA Drake, 90
 machadoi Drake, 90
angulata (Hacker), *Engynoma*, 205
angulata Heidemann, *Gargaphia*, 222
angulata Monte, *Sphaerocysta*, 351
angulatus Distant, *Belenus*, 99
angulatus Drake and Maa, *Eteoneus*, 211
angulipennis Horváth, *Cantacader*, 24
angulipennis Horváth, *Cystechila*, 164
angusta Drake, *Inoma*, 249
angusta (Drake and Hambleton), *Birabena*, 100
angustata (Champion), *Leptopharsa*, 270
angustata (Herrich-Schaeffer), *Tingis*, 391
angustata Monte, *Teleonomia*, 371
angustatum Drake, *Gonycentrum*, 32
angusticollis (Herrich-Schaeffer), *Tingis*, 414
angusticollis Reuter, *Galeatus*, 14, 220
angustipennis (Jakovlev), *Tingis*, 414
angustula Horváth [var.], *Acalypta*, 46
annae (Kirkaldy), *Teleonomia*, 371
annandalei (Distant), *Cystechila*, 164
annulatus Osborn and Drake, *Atheas*, 93
annulipes Champion, *Phatnoma*, 35
ANOMMATOCORIS China, 443
 coleopteratus (Kormilev), 18, 444
 minutissimus China, 18, 444
ANOMMATOCORIS China—Continued
 zeteki Drake and Froeschner, 18, 444
anonae (Drake and Hambleton), *Idiostyla*, 248
antennalis (Puton) [var.], *Tingis*, 415
antennata Parshley, *Hesperotingis*, 242
antennata Scudder [fossil], *Eotingis*, 206
antennatum (Horváth) [var.], *Agramma*, 67
antennatum (Schouteden), *Paracopium*, 314
anticus (Reuter), *Catoplatus*, 111
atricapilla (Horváth) (*see atricapillum*)
aperta Horváth, *Stephanitis*, 366
APHELOTINGIS Drake, 91
 muri (Drake), 91
 perinetana Drake, 91
 tasca Drake, 91
apicalis Reuter, *Stymmonotus*, 369
apicicorne (Horváth) [var.], *Agramma*, 71
apicicornis Monte, *Acanthotingis*, 60
aporema Drake and Ruhoff, *Eritingis*, 208
aporia Drake, *Larotingis*, 252
appendiceus (Fourcroy), *Stephanitis*, 359
approba Drake, *Alloecocysta*, 77
approximata (Stål), *Leptodictya*, 260
aptata Drake, *Ulonemia*, 420
ARADUS auct.
 elevatus Fabricius, 375
arbicola Drake, *Physatocheila*, 328
arcuata Comstock [misident.], *Corythucha*, 146
arcuata Pemberton [misident.], *Corythucha*, 152
arcuata (Say), *Corythucha*, 141
arcuata Uhler [misident.], *Corythucha*, 152
ardua Drake, *Leptobyrsa*, 257
arete Drake and Mohanasundarum, *Naochila*, 301
argentinesis Drake and Poor, *Teleonomia*, 371
argentinesis Monte, *Corythucha*, 142
argillacea Monte, *Gargaphia*, 222
arida Walker, *Phylloitingis*, 445

- aridula* Jakovlev, Dictyonota, 437
ARISTOBYRSA Drake and Poor, 91
 latipennis (Champion), 91
arizonica Drake and Carvalho, Gargaphia, 222
armatus (Hacker), Ceratocader, 29
armatus Takeya, Galeatus, 216
armigera (Stål), Acanthocheila, 56
arnoldi Schouteden, Paseala, 321
arcuata Van Duzec (*see* *arcuata*)
arta Drake and Poor, Leptopharsa, 270
artemisifolium (Shinji), Galeatus, 220
artocarpus Drake and Hambleton, Leptopharsa, 270
artocarpus (Horváth), Alloiothucha, 78
ARUSHIA Drake, 91
 connata Drake, 91
 horvathi Drake, 92
aspera Drake and Poor, Cysteocheila, 164
asperulus Horváth, Furcilliger, 215
aspidospermae Drake and Hambleton, Liotingis, 292
aspidospermae (Drake and Hambleton), Zelotingis, 428
assamana Drake and Lutz, Tanytingis, 370
assamana Drake and Maa, Stephanitis, 354
assamensis (Distant), Ulonemia, 420
assimile Horváth, Paracopium, 314
associata Osborn and Drake, Corythucha, 142
ASTOLPHOS Distant, 30
 capitatus Distant, 30
astralis Drake and Poor, Stephanitis, 366
aterrima Stål, Teleonemia, 371
ATHEAS Champion, 92
 angusta Drake and Hambleton, 100
 annulatus Osborn and Drake, 93
 austroriparius Heidemann, 92
 cearanus Monte, 92
 elongata Drake, 101
 exiguus Heidemann, 92
 flavipes Champion, 92
 fuscipes Champion, 92
 insignis Heidemann, 93
 laetantis Drake and Hambleton, 93
ATHEAS Champion—Continued
 mimeticus Heidemann, 93
 mirabilis Drake, 93
 nigricornis Champion, 93
 ornatipes Drake and Hambleton, 94
 paganus Drake, 94
 pallidus Barber, 425
 placensis Drake and Poor, 94
 sordidus Osborn and Drake, 93
 tristis Van Duzec, 94
atibaiae Drake and Ruhoff, Leptopharsa, 270
atrata Champion, Teleonemia, 372
atratarsis Drake and Hambleton, Plesco-byrsa, 341
atricapillum (Spinola), Agramma, 65
atriflava Monte, Teleonemia, 372
atrinervis Champion, Amblystira, 80
atrus (Motschulsky), Abdastartus, 43
attenuatus Distant, Cantacader, 24
aubei Signoret, Dictyonota, 435
aucta Drake, Stephanitis, 354
AULOTINGIS Drake and Poor, 94
 moalae Drake and Poor, 94
auriculata (Costa), Tingis, 12, 392
aurigana (Drake), Dictyla, 181
aurita Breddin, Metatropis, 445
australica Drake, Acysta, 60
australicum (Stål), Paracopium, 314
australis (Distant), Plerochila, 340
australis (Montrouzier), Agaotingis, 63
AUSTRALOTINGIS Hacker, 95
 franzeni Hacker, 95
 vinnula Drake, 95
 williamsi Drake, 308
austrina Drake and Hambleton, Leptodictya, 261
austroriparius Heidemann, Atheas, 92
avia Drake, Leptopharsa, 270
avitus Drake [fossil], Cantacader, 24
AXIOKERSOS Distant, 95
 ovalis Distant, 95
*AXIOKERSOSARIA** Distant, 42
*AXIOKERSOSINAE** Menon and Hakk, 42
*AYRERUS** Distant, 422
ayyari (Drake), Corythauma, 6, 140
azaleae Horváth, Stephanitis, 361

- baccharidis Drake, *Corythucha*, 143
 baccharidis Drake and Hambleton, *Lep-
tobyrsa*, 257
BAEOCHILA Drake and Poor, 95
 dehrana Drake and Maa, 95
 elongata (Distant), 95
 nexa (Distant), 96
 perinetana Drake, 96
 scitula Drake, 96
BAEOTINGIS Drake and Poor, 96
 ogloblini Drake and Poor, 96
 silvestrii Drake, 96
 vianai Kormilev, 96
bahiana Drake, *Teleonemia*, 372
BAICHILA Drake and Slater, 97
 capeneri Drake and Slater, 97
 pulla Drake and Slater, 97
 vulsa Drake and Slater, 97
bakeri Drake, *Cromerus*, 162
bakeri Drake, *Trachypeplus*, 418
bakeri Drake, *Xenotingis*, 426
bakeri Drake, *Ypsotingis*, 442
bakeri Drake and Poor, *Cysteoichila*, 164
BAKO Schouteden, 97
 capeneri Drake, 97
 dieides Drake and Ruhoff, 97
 editus Drake, 98
 lebruni Schouteden, 98
 malayanus (Drake), 98
 usumburana (Drake), 98
balassogloi (Jakovlev), *Tingis*, 406
balli (Drake), *Dictyla*, 182
balli Drake, *Melanorhopala*, 297
balli Drake and Carvalho, *Gargaphia*,
 222
baltica Drake [fossil], *Phatnoma*, 10, 35
bambusae Drake, *Leptodictya*, 261
BANAHAONA Drake and Ruhoff, 98
 exalla Drake and Ruhoff, 98
bankana Drake, *Stephanitis*, 368
barberi Drake, *Acalypta*, 44
barberi Drake, *Phatnoma*, 36
barberi Drake, *Teleonemia*, 372
barberi Drake and Ruhoff, *Leptoypha*,
 288
basilicorne (Drake), *Agramma*, 66
basicornis Motschulsky, *Cymus*, 445
basilewskyi Schouteden, *Aglotingis*, 63
basilewskyi Schouteden, *Ammianus*, 85
basilewskyi Schouteden, *Cantacader*, 24
basilewskyi Schouteden, *Cysteoichila*, 165
basilewskyi Schouteden, *Gabirobius*, 216
basilewskyi Schouteden, *Gitava*, 235
beckeri Jakovlev, *Dictyonota*, 439
beesoni Drake, *Tingis*, 405
beieri Drake, *Tingis*, 406
BELENUS Distant, 98
 adocetus Drake, 98
 angulatus Distant, 99
 bengalensis Distant, 99
 colentis Drake, 349
 dentatus (Fieber), 99
 laplumei (Schouteden), 99
 thomasi Drake, 99
belfragii Stål, *Teleonemia*, 372
bellatula Drake, *Neocypselas*, 303
bellula Gibson, *Corythucha*, 143
bellula Torre-Bueno, *Corythaica*, 135
bellus Drake, *Dulinius*, 201
bellus (Drake), *Haedus*, 238
bengalana (Drake), *Dasytingis*, 177
bengalensis Distant, *Belenus*, 99
benoiti Schouteden, *Gitava*, 235
bequaerti Schouteden, *Cochlochila*, 119
bequaerti (Schouteden), *Paracopium*,
 314
bergi Monte, *Gargaphia*, 233
bernardi Wagner, *Copium*, 128
BEROTINGIS Drake, 99
 guamensis (Drake), 100
 rugiana Drake, 100
 yapensis (Drake), 100
berryi (Drake), *Dictyla*, 182
betulae Drake, *Corythucha*, 157
biafrana Drake and Gomez-Menor,
 Agachila, 63
bicincta Monte, *Plescobyrsa*, 342
bicolor Drake (*see* *tricolor* (Hacker))
bicolor Drake and Poor, *Idiocysta*, 247
bicorniger Horváth, *Mummus*, 300
bierigi Monte, *Teleonemia*, 372
bifasciata (Champion), *Leptopharsa*, 270
bifasciata Champion, *Teleonemia*, 373
bifasciata Kirkaldy [misident.], *Teleo-
nemia*, 383
bilobata Horváth, *Diplocysta*, 200

- bimaculata (Distant), Perissonemia, 323
 bimaculata Parshley, Gargaphia, 222
 binotata Champion, Leptoyppha, 288
binotata Drake (see bimaculata)
 binotata (Drake and Bruner), Allotingis, 78
binotata Van Duzee [misident.], Leptoyppha, 290
 bioculata Drake, Compseuta, 123
biolleyi Blöte, Gargaphia, 231
BIRABENA Drake and Hurd, 100
 angusta (Drake and Hambleton), 100
 birabeni Drake and Hurd, 100
 carvalhoi Monte, 101
 elongata (Drake), 101
birabeni Drake and Hurd, Birabena, 100
BIRGITTA* Lindberg, 287
biroi Drake, Oranoma, 34
biroi Horváth [var.], Derephysia, 432
biseriata Champion, Macrotingis, 294
biseriata Drake [var.], Compseuta, 125
biseriata Drake, Sphaerocysta, 351
biseriata Hacker, Physatocheila, 328
biseriata (Horváth) [var.], Tingis, 417
biseriata Sahlberg [var.], Stephanitis, 358
biseriata Schouteden, Cysteocheila, 165
biseriata (Schouteden) [var.], Naitingis, 301
biseriata (Thomson), Acalypta, 47
biseriatus Drake, Sanazarius, 348
biseriatus Lindberg [var.], Catoplatus, 116
BISKRIA Puton, 429
 adelpha Horváth [var.], 430
 gracilicornis (Puton), 429
 hispanica Gomez-Menor, 429
 horvathi Kiritshenko, 429
 lepida Horváth, 429
 sareptana (Jakovlev), 429
bispinosa Drake, Compseuta, 123
blandulum (Horváth), Agramma, 66
blatchleyi Drake, Stephanitis, 12, 354
bletoni Vidal, Catoplatus, 111
blukwana (Drake), Naitingis, 301
bobangensis (Schouteden), Ammianus, 85
bodenheimeri Lindberg, Tingis, 410
boliviana Drake, Teleonemia, 373
boliviana Drake and Poor, Pleseobysra, 342
boliviana Monte, Corythucha, 143
boliviana Monte, Gargaphia, 223
bombacis Drake and Poor, Tigava, 387
bondari (Drake), Campylopingis, 108
bondari Drake and Poor, Leptopharsa, 271
bondari Monte, Teleonemia, 373
boops (Blöte), Eteoneus, 211
borealis Parshley, Corythucha, 151
borealis Parshley [var.], Hesperotingis, 242
bornea Drake, Ypsotingis, 443
borneensis (Distant), Perissonemia, 323
borneoana Drake and Ruhoff, Concho-tingis, 127
bosnica Horváth, Campylosteira, 103
bosqi Monte, Corythaica, 136
bosqi Monte, Teleonemia, 373
bouclei (Bruner), Eocader, 32
boxiana (Drake), Naochila, 301
brachycera Fieber, Campylosteira, 107
brachycera (Fieber), Tingis, 392
bradleyi (Drake), Leptopharsa, 271
brasiliensis (Drake), Ulotingis, 421
brasiliensis Monte, Sphaerocysta, 351
braziliensis Drake, Dicysta, 198
braziliensis Drake and Hambleton, Leptoyppha, 288
BREDENBACHIUS* Distant, 163
 annandalei Distant, 164
 consanguineus Distant, 166
 delineatus Distant, 166
 humeralis Distant, 168
 jacobsoni Blöte, 169
 pictus Distant, 173
bredoi Schouteden, Cysteocheila, 165
brevicarinata Schouteden [var.], Compseuta, 126
brevicollis Monte, Tigava, 388
brevicorne (Jakovlev), Copium, 128
brevicornis Barber [misident.], Leptoyppha, 288
brevicornis Champion Leptoyppha, 288
brevicornis Drake (see brevipennis)
brevicornis Ferrari, Dictyonota, 441

- brevicornis* (Horváth), Tingis, 394
brevicornis McAtee [misident.], Leptoypha, 289
brevicornis Osborn and Drake, Alveotings, 79
brevicornis Reuter, Derephysia, 430
brevipennis Champion, Teleonemia, 373
brevirostris (Jakovlev), Agramma, 65
brevirostris Osborn and Drake, Physatocheila, 328
brevis Drake [ssp.], Inonemia, 250
brevispinus Jakovlev, Galeatus, 219
 brincki Drake, Perbrinckea, 322
 bruchi Drake, Leptobyrssa, 258
 brunfelsiae Monte, Gargaphia, 223
 brunnea Drake and Poor, Coleopterodes, 122
 brunnea (Germar), Acalypta, 44
 brunnea Gibson, Corythucha, 143
 brunnea Hacker, Cysteocheila, 165
 buccata Horváth [var.], Monosteira, 300
 buddleiae Drake, Tingis, 394
 bugioensis (China) [ssp.], Dictyla, 189
 bukobana (Drake), Naochila, 302
 bulbosa Osborn and Drake, Corythucha, 144
 bullana (Drake), Naochila, 302
 bullata Van Duzee, Corythucha, 152
 bulliens Distant, Malala, 34
 bullita (Stål), Cochlochila, 119
 BUNIA Schouteden, 101
 ituriensis Schouteden, 101
 BUNOTINGIS Drake, 101
 camelina (Hacker), 101
 bunus Drake and Ruhoff, Penottus, 321
 burgeoni (Schouteden), Ammianus, 85
 burgeoni Schouteden, Cysteocheila, 165
 burgeoni (Schouteden), Dictyla, 182
 burgeoni Schouteden, Dulinius, 201
 burgeoni (Schouteden), Elasmotropis, 203
 burgeoni (Schouteden), Paracopium, 314
 burungus Schouteden, Haedus, 238
 CADAMUSTUS* Distant, 353
 suffusus Distant, 368
 typicus Distant, 364
 CADMILOS* Distant, 216
 retarius Distant, 218
 caelata Uhler, Corythucha, 144
 caelata Van Duzee [misident.], Corythucha, 156
 CAENOTINGIS Drake [subg.], 405
 caestri (Reed), Corythaica, 136
 cafer (Distant), Pontanus, 345
 caffra Stål, Cysteocheila, 165
 caledonicum Drake, Paracopium, 315
 calentis (Drake) (*see colens*)
 callangae Drake and Poor, Leptopharsa, 271
 CALLIPHANES* Horváth, 353
 CALLITHRINCUS Horváth, 101
 serratus Horváth, 101
 signatus Drake, 102
 CALOLOMA Drake and Bruner, 102
 uhleri Drake and Bruner, 10, 102
 calopa Drake, Leptopharsa, 271
 CALOTINGIS Drake, 102
 knighti Drake, 102
 subopaca (Hacker), 102
 camelina (Hacker), Bunotingsis, 101
 CAMPYLOSTEIRA Fieber, 103
 bosnica Horváth, 103
 brachycera Fieber, 107
 ciliata Fieber, 103
 cognata Horváth [var.], 106
 diluta Horváth [var.], 103
 diminuta Horváth [var.], 106
 dispar Horváth, 103
 eximia Horváth, 104
 falleni Fieber, 104
 fuscicornis Rey [var.], 53
 horvathi Drake, 104
 humilis Horváth [var.], 106
 latipennis Horváth [var.], 108
 libanotica Horváth, 104
 miridita Horváth [var.], 105
 moroccana Puton, 104
 oberti Kolenati, 358
 orientalis Horváth, 104
 parvula Ferrari, 105
 perithrix Puton, 105
 pilicornis Horváth, 106
 pilifera Reuter, 106
 rotundata Takeya, 106
 serena Horváth, 106
 sinuata Fieber, 107

- CAMPYLOSTEIRA Fieber—Continued
 sororcula Horváth, 107
 suspecta Horváth [var.], 105
 verna (Fallén), 107
- Campylostira* (see *Campylosteira*)
- CAMPYLOTINGIS Drake and Bondar, 108
 bondari (Drake), 108
 carvalhoi Drake and Hambleton, 108
 clara Drake and Hambleton, 109
 clavata Drake and Hambleton, 109
 genetica Drake and Hambleton, 109
 integra Drake and Hambleton, 109
 jansoni (Drake), 109
 lenatis Drake, 109
 levis Drake and Hambleton, 109
 machaerii Drake and Hambleton, 110
 mollicula (Drake), 110
 mollis Drake and Bondar, 110
 prudens Drake and Hambleton, 110
 snipesi Drake and Hambleton, 110
 tantilla Drake, 110
- canadensis* Parshley, Corythucha, 154
- CANTACADER Amyot and Serville, 23
 abdivitus Drake, 23
 afzelii Stål, 23
 agilis Drake, 24
 amydis Drake, 24
 angulipennis Horváth, 24
 armatus Hacker, 29
 attenuatus Distant, 24
 avitus Drake [fossil], 24
 basilewskyi Schouteden, 24
 chilensis Reed, 373
 claratis Drake, 25
 dentatus Hacker, 29
 diffidentis Drake and Poor, 25
 divisus Bergroth, 25
 doriae Ferrari [var.], 27
 formosus Drake, 25
 furtivus Drake [var.], 28
 gerardi Schouteden, 25
 germainii Signoret, 40
 gounellei Drake, 29
 henshawi Ashmead, 297
 infuscatus Distant, 25
 infuscatus Schouteden [var.], 28
 insularis Drake, 25
- CANTACADER Amyot and Serville—Continued
 japonicus Drake, 26
 laratanus Drake, 26
 laticollis Horváth, 26
 lei Hacker, 23
 lethierryi Scott, 26
 magnifica Drake, 30
 nocturnis Hacker, 26
 nubilis Horváth [var.], 27
 quadricornis (Le Peletier and Serville), 26
 quinquecarinatus (Germar and Brendt) [fossil], 27
 quinquecostatus (Fieber), 27
 staudingeri (von Baerensprung), 27
 subovata (Motschulsky), 27
 tener Bergroth, 28
 tenuipes Stål, 28
 tricarinatus Drake [var.], 24
 uniformis Distant, 28
 vandenplasi Schouteden, 29
- CANTACADERINAE Stål, 17, 22
- CANTACADERINI Stål, 17, 22
- CANTINONA Distant, 110
 praecellens Distant, 111
- capeneri Drake, Bako, 97
 capeneri Drake and Slater, Baichila, 97
 capeneri Drake and Slater, Cochlochila, 120
 capensis (Walker), Compseuta, 123
 capillata Kiritshenko, Tingis, 394
 capitata (Jakovlev), Leptoypa, 288
 capitatus Distant, Astolphos, 30
 cappadocica Horváth, Tingis, 410
 capucina (Germar), Lasiacantha, 253
 capucina (Kolenati) [misident.], Lasiacantha, 255
 capusi Horváth, Diconocoris, 6, 178
 cara Drake, Dicysta, 198
 cardui (Herrich-Schaeffer) [misident.], Tingis, 392
 cardui (Linnaeus), Tingis, 394
 cardui (Schellenberg) [misident.], Lasiacantha, 253
 cardui Schilling [misident.], Tingis, 414
 carectorum Bergroth, Cyperobia, 31
 carinata Drake [var.], Compseuta, 126

- carinata* Gibson, Gargaphia, 223
carinata (Panzer), Acalypta, 45
carinata Uhler, Corythaica, 136
carinata (Vollenhoven) [misident.], Acalypta, 51
carinatum (Distant), Agramma, 66
carmelana (Berg), Teleonemia, 373
carpathica Horváth, Acalypta, 46
carthusianus (Goeze), Catoplatus, 112
carvalhoi Drake and Hambleton, Campylotingis, 108
carvalhoi Monte, Birabena, 101
caryae Bailey, Corythucha, 144
cassiae (Drake and Hambleton), Vatiga, 424
cassidea (Fallén), Acalypta, 45
cassidea (Fieber) [misident.], Acalypta, 50
 CATOPLATUS Spinola, 111
 albidus (Herrich-Schaeffer) [var.], 113
 anticus (Reuter), 111
 auriculatus Costa, 392
 australicus Stål, 314
 biseriatus Lindberg [var.], 116
 bletoni Vidal, 111
 burgeoni Schouteden, 314
 carthusianus (Goeze), 112
 citrinus Horváth, 113
 crassipes (Fieber), 113
 dacicus Montandon, 113
 dilatatus (Jakovlev), 114
 dispar Drake and Maa, 114
 distinctus Montandon, 114
 eryngii (Latrielle), 112
 fabricii (Stål), 114
 flavipes (Horváth), 116
 fulvicornis (Jakovlev), 115
 hilaris Horváth, 115
 horvathi (Puton), 116
 intermedius Vidal [var.], 113
 krueperi (Reuter), 114
 leucus Kiritshenko, 116
 mamorensis Bergevin, 116
 melanocephala (Panzer), 112
 nigriceps Horváth, 116
 nigripes (Motschulsky), 112
 oblonga (Garbiglietti), 114
 olivieri (Puton), 117
 pallens Dobšik [var.], 116
 CATOPLATUS Spinola—Continued
 parallelus Costa, 392
 schaefferi (Fieber), 113
 syriacus Horváth [var.], 111
 variolosus Costa, 392
caucasica (Jakovlev), Tingis, 410
caucasica Kiritshenko, Stephanitis, 355
cearanus Monte, Atheas, 92
ceibae Drake and Poor, Tigava, 388
 CELANTIA Distant, 117
 creta Drake, 117
 nitidula (Stål), 117
 seposita Cockerell [fossil], 118
 teres Drake, 118
 vagans (Distant), 118
celebrata (Drake), Vatiga, 424
cellularis Jakovlev, Galeatus, 216
celtidis Osborn and Drake, Corythucha, 144
cerasi Drake, Corythucha, 145
 CERATINODERMA Stål, 118
 fornicata Stål, 118
 kivuensis Schouteden, 118
 sp. Priesner and Alfieri, 348
 CERATOCADER Drake, 29
 armatus (Hacker), 29
 dentatus (Hacker), 29
cervina (Germar), Acalypta, 45
 CETIOCYSTA* Drake and Poor, 321
chacoana Drake, Teleonemia, 374
championi Bergroth, Eurypharsa, 214
championi (Drake), Ambycysta, 83
championi Drake, Leptodictya, 261
championi Drake, Pachycysta, 312
championi Drake and Cobben, Corythucha, 145
chanceli Bergevin, Physatocheila, 331
chapidiana Drake, Teleonemia, 374
charieis Drake and Mohanasundaram, Stephanitis, 365
chatterjeei Drake and Poor, Physatocheila, 329
cheesmanae Drake, Furcilliger, 215
cheriani (Drake), Dictyla, 182
chilensis (Reed), Teleonemia, 373
chinensis Drake, Habrochila, 237
chinensis Drake, Stephanitis, 366
chinensis Drake and Poor, Trachypeplus, 418

- chiniana Drake, *Cysteoichila*, 165
chimiana Drake, *Cysteoichila*, 177
chiriquensis (Champion), *Plescochyrsa*,
 342
chlorophana (Fieber), *Stephanitis*, 355
chobauti Horváth, *Urentius*, 422
 CHOROTINGIS Drake, 430
 indigena Drake, 430
cicur Horváth [var.], *Dictyonota*, 439
ciliaris (Puton), *Tingis*, 406
ciliata Fieber, *Campylosteira*, 103
ciliata (Fieber), *Tingis*, 407
ciliata (Provancher) [misident.], *Cory-*
thucha, 142
ciliata (Say), *Corythucha*, 145
 CIMEX auct.
 appendiceus Fourcroy, 359
 cardui Linnaeus, 394
 carthusianus Goeze, 112
 clavicornis Linnaeus, 8, 129
 echii Schrank, 184
 minutulus Goeze, 394
 musci Schrank, 50
 teucris Host, 131
cingalense (Walker), *Paracopium*, 315
cinerea (Fieber), *Acalypta*, 51
cinerea (Flor) [misident.], *Acalypta*, 49
circumcincta Champion, *Leptodictya*,
 261
circumdata (Blanchard), *Eurypharsa*, 214
citrinus Horváth, *Catoplatus*, 113
civatis Drake, *Physatocheila*, 329
clara Drake, *Galeatus*, 217
clara Drake and Hambleton, *Campylo-*
tingis, 109
clara Drake and Hambleton, *Corythu-*
cha, 146
claratis Drake, *Cantacader*, 25
clavata Drake and Hambleton, *Cam-*
pylotingis, 109
clavata (Stål), *Melanorhopala*, 297
clavicorne (Linnaeus), *Copium*, 8, 129
clavicornis (Burmeister) [misident.], *Tin-*
gis, 408
clavicornis (Panzer) [misident.], *Tingis*,
 394
clavicornis (Schrank) [misident.], *Dictyla*,
 184
clavicornis (Scott) [misident.], *Copium*,
 131
cleopatra (Horváth), *Phaenotropis*, 325
clitoriae (Heidemann), *Leptopharsa*, 271
clivosa Drake, *Habrochila*, 237
clypeatus Distant, *Haedus*, 238
c-nigrum (Champion), *Dictyla*, 183
 CNEMIANDRUS Distant, 31
 typicus Distant, 31
 COCLOCHILA Stål, 118
 adenana Drake, 119
 aemula Drake, 119
 bequaerti Schouteden, 119
 bullita (Stål), 119
 boxiana Drake, 301
 bukobana Drake, 302
 capeneri Drake and Slater, 120
 conchata (Matsumura), 120
 exolenta Drake, 120
 globulifera (Walker), 119
 ituriensis Schouteden, 120
 kilimensis Horváth, 120
 lewisi (Scott), 120
 mitrata (Distant), 119
 naivashae Drake, 121
 natalana Drake, 302
 nilgiriensis (Distant), 121
 parvella Drake, 302
 vesicarius (Lindberg), 120
 yemenana Drake, 121
 zetana Drake, 121
 CODOTINGIS Drake, 121
 evansi Drake, 121
 recurva Drake, 121
cognata Drake and Hambleton, *Lepto-*
pharsa, 272
cognata (Fieber) [var.], *Tingis*, 396
cognata Horváth [var.], (*Campylosteira*),
 106
colens (Drake), *Sinuessa*, 349
colentis (Drake) (*see colens*)
coleopteratus (Kormilev), *Anommato-*
coris, 18, 444
 COLEOPTERODES Philippi, 122
 brunnea Drake and Poor, 122
 fuscenscens Philippi, 122
 liliputiana (Signoret), 122
collare (Horváth) [var.], *Agramma*, 73
collarti Schouteden, *Cysteoichila*, 166

- collarti* (Schouteden), *Dictyla*, 183
COLLINUTIUS Distant, 122
 alicollis (Walker), 122
colocasiae Horváth, *Stephanitis*, 355
colombiana Drake, *Leptodictya*, 261
colombiana Drake, *Tingis*, 396
coloradensis (Drake), *Dictyla*, 183
coloradensis Gibson, *Corythucha*, 156
coloratum Schouteden, *Paracopium*, 315
colpochilus (Horváth), *Hyalochiton*, 245
colubra (Van Duzee), *Hybopharsa*, 246
columna Drake, *Hypsotingis*, 247
comans Drake, *Lasiacantha*, 254
comantis Drake (*see* *comans*)
comantis Drake (*see* *comatum*)
comaroffii (Jakovlev) (*see* *komaroffii*)
comatum Drake, *Paracopium*, 315
comentis Drake, *Acanthocheila*, 57
comes Drake, *Compseuta*, 123
comes (Drake), *Dictyla*, 183
comes Drake and Hambleton, *Leptodictya*, 262
comitis Drake, *Acanthocheila*, 57
comitis Drake and Hambleton (*see* *comes*)
comosa Monte, *Gargaphia*, 223
comosa (Takeya), *Tingis*, 6, 397
COMPSEUTA Stål, 123
 ampliatius Hacker, 369
 bioculata Drake, 123
 biseriata Drake [var.], 125
 bispinosa Drake, 123
 boops Blöte, 211
 brevicarinata Schouteden [var.], 126
 capensis (Walker), 123
 carinata Drake [var.], 126
 comes Drake, 123
 cordiae Drake, 123
 dispar Schouteden, 123
 expleta Drake, 124
 funebri Schouteden [var.], 126
 holana Drake, 124
 kittenbergeri Drake, 123
 lamellata Drake, 124
 latipennis Horváth, 124
 lefroyi Distant, 124
 montandoni Distant, 124
 motoensis Schouteden, 125
 nigristernum (Horváth), 125
COMPSEUTA Stål—Continued
 notialis Drake, 125
 ornatella (Stål), 125
 picta Schouteden, 126
 secundus Hacker, 369
 sejuncta Drake, 126
 signata Distant, 306
 simulans Horváth [var.], 125
 teres Drake [var.], 126
 tessellata Drake and Poor, 124
 tropica Hacker, 124
compta (Drake), *Lasiacantha*, 254
compta Drake and Hambleton, *Corythucha*, 144
comptula Drake, *Corycera*, 133
concava Drake, *Ulonemia*, 420
conchata (Matsumura), *Cochlochila*, 120
conchatus Distant, *Dulinius*, 201
*CONCHOCHILA** Drake, 126
 insulana Drake, 127
 sundra Drake, 127
CONCHOTINGIS Drake, 126
 borneoana Drake and Ruhoff, 127
 insulana (Drake), 127
 sundra (Drake), 127
 trepidans (Drake), 127
concinna (Douglas and Scott), *Acalypta*, 44
*conci*sa Drake [var.], *Phatnoma*, 35
*concur*sa Drake, *Gargaphia*, 223
condensa Gibson, *Gargaphia*, 223
confectus Drake, *Eteoneus*, 211
confinis Horváth, *Physatocheila*, 329
confraterna Gibson, *Corythucha*, 146
confusa (Drake) [var.], *Hesperotingis*, 242
confusum (Puton), *Agramma*, 66
congoana Drake, *Congochila*, 127
CONGOCHILA Drake, 127
 congoana Drake, 127
congolensis Drake [misident.], *Eteoneus*, 211
congolensis Schouteden, *Eteoneus*, 211
congruum Drake, *Paracopium*, 315
congruus Drake, *Dulinius*, 201
connata Drake, *Arushia*, 91
*conradi*s Drake, *Kapiriella*, 250
consaepta Drake and Poor, *Tingis*, 397

- consanguinea (Distant), *Cysteochila*, 166
 consimilis Horváth [var.], *Hyalochiton*,
 245
 consors Drake, *Teleonemia*, 374
 constans (Drake), *Cysteochila*, 166
constantis Drake (*see* *constans*)
 constricta (Champion), *Leptopharsa*,
 272
constricta Osborn and Drake, *Corythaica*,
 136
 consuetata Drake, *Cysteochila*, 166
contaminata Gibson, *Corythucha*, 156
contracta Osborn and Drake, *Corythucha*,
 152
convergens (Costa) [misident.], *Dictyla*,
 192
convergens (Herrich-Schaeffer), *Dictyla*,
 183
convergens (Klug) (*see* *convergens*)
convexicollis Champion, *Tigava*, 388
convexicollis Drake and Hambleton [misi-
 dent.], *Tigava*, 387
cooleyi Drake, *Acalypta*, 46
coomani Drake, *Tingis*, 397
 COPIUM Thunberg, 127
 adumbratum (Horváth), 128
 antennatum Schouteden, 314
 artemisifolium Shinji, 220
 bequaerti Schouteden, 314
 bernardi Wagner, 128
 brevicornis (Jakovlev), 128
 clavicorne (Linnaeus), 8, 129
 cornutum Thunberg, 8, 129
 fenestellatum Bergroth, 315
 floricolum Horváth, 316
 furvum Horváth, 316
 ghesquierei Schouteden, 316
 guttatum Thunberg, 445
 hamadryas Drake, 9, 317
 hirticorne Bergroth, 317
 horvathi Wagner, 130
 intermedium (Rey), 130
 japonicum Esaki, 131
 lupakense Schouteden, 318
 lusitanicum de Seabra, 132
 maculatum Thunberg, 445
 magnicornis (Rey), 131
 nigricornis (Laporte), 129
 COPIUM Thunberg—Continued
 punctata (Lamarck), 129
 reyi Wagner, 131
 serratum Thunberg, 445
 stolidum Horváth, 319
 teucarii (Host), 8, 131
coquereli (Puton), *Dictyonota*, 441
cordatus (Hacker), *Allocader*, 22
cordiae Drake, *Compseuta*, 123
 CORINTHUS Distant, 132
 typicus Distant, 132
corniculata Blöte, *Pseudophatnoma*, 40
corniculata (Jakovlev), *Tingis*, 406
corniger (Drake) (*see* *bicorniger*)
cornuta (Monte), *Ambycysta*, 83
cornutum Thunberg, *Copium*, 8, 129
coronatum (Fieber), *Gonycentrum*, 33
correctorum Drake and Davis (*see* *carec-*
 torum)
corticea (Herrich-Schaeffer), *Physato-*
 cheila, 330
corticinus (Horváth), *Ammianus*, 85
corumbiana Drake, *Tigava*, 388
corumbiana Drake, *Tingis*, 397
 CORYCERA Drake, 132
 alboater Drake and Hambleton, 132
 albocosta (Drake), 133
 comptula Drake, 133
 fallax Monte, 133
 fortis Drake, 133
 gibbosa Monte, 133
 juncta Drake and Hambleton, 133
 machaerii Drake and Hambleton,
 134
 panamensis Drake and Poor, 134
 pusilla Monte, 134
 rhopalae Drake and Poor, 133
 rochalimai Monte, 134
 rugulosa Drake, 134
 schubarti Monte, 134
 separata (Drake and Hambleton),
 134
 spissa Drake, 135
 vallis Drake, 135
coryli Osborn and Drake, *Corythucha*,
 146
 CORYTHAICA Stål, 135
 acuta (Drake), 135

CORYTHAICA Stål—Continued

- bellula Torre-Bueno, 135
 bosqi Monte, 136
 caestri (Reed), 136
 carinata Uhler, 136
constricta Osborn and Drake, 136
 costata Gibson, 137
 cucullata (Berg), 137
 cyathicollis (Costa), 137
 cytharina (Butler), 138
densata (Gibson), 139
floridana Blatchley, 136
magna (Gibson), 139
 monacha (Stål), 138
obscura (Van Duzee), 139
passiflorae (Berg), 137
planaris (Uhler), 137
renormata Barber, 138
 smithi Drake, 139
 umbrosa (Monte), 139
 venusta (Champion), 139

CORYTHAUMA Drake and Poor, 139

- ayyari (Drake), 6, 140
 varia Drake and Maa, 140

CORYTHOTINGIS Drake and Poor, 140

- zimmermani Drake and Poor, 140

Corythuca auct. (see *Corythucha*)

CORYTHUCHA Stål, 140

- abditata Drake, 141
 acculta Drake and Poor, 141
 aesculi Osborn and Drake, 141
 agalma Drake and Cobben, 141
 arcuata (Say), 141
 argentinensis Monte, 142
 associata Osborn and Drake, 142
 baccharidis Drake, 143
 bellula Gibson, 143
betulae Drake, 157
 boliviana Monte, 143
borealis Parshley, 151
 brunnea Gibson, 143
 bulbosa Osborn and Drake, 144
bullata Van Duzee, 152
 caelata Uhler, 144
canadensis Parshley, 154
 caryae Bailey, 144
 celtidis Osborn and Drake, 144
 cerasi Drake, 145

CORYTHUCHA Stål—Continued

- championi Drake and Cobben, 145
 ciliata (Say), 145
 clara Drake and Hambleton, 146
coloradensis Gibson, 156
compta Drake and Hambleton, 144
 confraterna Gibson, 146
contaminata Gibson, 156
contracta Osborn and Drake, 152
 coryli Osborn and Drake, 146
crataegi Morrill [var.], 147
 cydoniae (Fitch), 146
 cyrta Parshley, 157
decens (Stål), 150
 decepta Drake, 147
 distincta Osborn and Drake, 147
drakei Gibson, 159
 elegans Drake, 148
 eriodictyonae Osborn and Drake,
 148
essigi Drake, 159
exigua Drake, 159
 floridana Heidemann, 148
 fuscigera (Stål), 149
 fuscomaculata (Stål), 149
 globigera Breddin, 149
globulifera Monte, 149
 gossypii (Fabricius), 149
 heidemanni Drake, 151
hesperia Parshley, 151
heteromelecola Drake, 152
 hewitti Drake, 151
 hispida Uhler, 151
hoodiana Osborn and Drake, 159
hyalina (Herrich-Schaeffer), 145
 immaculata Osborn and Drake, 152
 incurvata Uhler, 152
informis Parshley [var.], 154
irrorata Howard, 153
 juglandis (Fitch), 152
lactea Drake, 154
 lowryi Drake, 153
lucida (Walker), 149
maculata Van Duzee, 156
mali Gibson, 142
 marmorata (Uhler), 153
 mcfreshi Drake, 154
mexicana Gibson, 155

- CORYTHUCHA Stål—Continued
minutissima Drake [var.], 154
 mississippiensis Drake [var.], 144
 mollicula Osborn and Drake, 154
 montivaga Drake, 155
 morrilli Osborn and Drake, 12, 155
 nicholi Drake, 155
 nobilis Drake and Bondar, 156
 nocens Drake and Hambleton, 156
 obliqua Osborn and Drake, 156
occidentalis Drake, 147
 omani Drake, 156
pacifica Drake, 160
 padi Drake, 156
 pallida Osborn and Drake, 157
 pallipes Parshley, 157
 palmatis Drake, 158
parshleyi Gibson, 153
 pellucida Drake and Hambleton, 158
 pergandei Heidemann, 158
piercei Gibson, 142
platini Drake, 159
polygrapha Lintner, 142
 pruni Osborn and Drake, 158
pura Gibson, 152
pyriformis Parshley, 159
 sagillata Drake, 159
 salicata Gibson, 159
salicis Osborn and Drake, 154
 scitula Drake, 159
 seguyi Drake, 160
 serta Drake and Hambleton, 160
 setosa Champion, 160
 socia Monte, 160
 sphaeralceae Drake, 160
 spinata Osborn and Drake [var.], 148
 spinosa (Dugès), 160
spinulosa Gibson, 143
 translucida Monte, 161
 tuthilli Drake, 161
 ulmi Drake, 161
 unifasciata Champion, 161
 sp. Cockerell, 147
- COSCINOPOEA* Stål, 111
 costalimai Monte, Gargaphia, 223
 costalis Distant, Phatnoma, 36
costata (Burmeister) [misident.], Dictyla, 188
costata (Fabricius), Physatocheila, 330
costata (Fallén) [misident.], Catoplatus, 114
costata Gibson, Corythaica, 137
costata Parshley, Leptoyppha, 288
costata Schilling [misident.], Tingis, 407
 costatus Uhler, Agrammodes, 445
costofasciata (Drake), Leptopharsa, 271
 COTTOTHUCHA Drake and Poor, 162
 oceanae Drake and Poor, 162
 coyazana Drake, Phatnoma, 36
 cracens Drake, Cysteocheila, 166
cracentis Drake (*see* cracens)
crassicornis (Fallén), Dictyonota, 437
crassicornis (Herrich-Schaeffer) [misident.], Dictyonota, 435
 crassicornis Horváth, Lasiacantha, 254
 crassipes (Fieber), Catoplatus, 113
 crassispinosa Monte, Teleonemia, 374
crataegi Morrill [var.], Corythucha, 147
 cremeri Drake, Cysteocheila, 166
 creta Drake, Celantia, 117
 cretata Champion, Leptodictya, 262
 crispa Drake, Pogonostyla, 344
 crispata (Herrich-Schaeffer), Tingis, 397
crispifollii (Takeya), Leptoyppha, 291
 cristata (Panzer), Derephysia, 430
cristata (Schilling) [misident.], Galeatus, 217
- CROMERUS Distant, 162
 bakeri Drake, 162
 excelans Drake, 162
 gressitti Drake, 162
 hackeri Drake and Poor, 162
 invarius (Walker), 163
 kalshoveni Drake, 163
 palawanus Drake and Maa, 163
 viadoi Drake and Maa, 163
 crotonae Drake and Hambleton, Gargaphia, 224
cubana (Drake), Phymacysta, 327
 cucullata (Berg), Corythaica, 137
cucullata Drake and Poor [misident.], Corythaica, 136
 cucullifera (Puton), Lasiacantha, 255

- cumberi* Drake, Tanybyrsa, 369
cuneata (Distant), Lasiacantha, 254
cuneatus Distant, Sanazarius, 348
cyathicollis (Costa), Corythaica, 137
cybele Drake and Ruhoff, Engyotingis, 206
 CYCLOTYNASPIS Montandon, 31
 acalyptoides Montandon, 31
cydoniae (Fitch), Corythucha, 146
cylindricornis Champion, Teleonemia, 374
cylindricornis (Thomson), Acalypta, 49
 CYMUS, 445
 basicornis Motschulsky, 445
 CYPEROBIA Bergröth, 31
 carectorum Bergröth, 31
cyrta Parshley, Corythucha, 157
 CYSTEOCHILA Stål, 163
 abetti Schouteden, 163
 ablusa Drake, 164
 abundans Drake and Poor, 164
 aletheia Drake and Ruhoff, 164
 angulipennis Horváth, 164
 annandalei (Distant), 164
 aspera Drake and Poor, 164
 bakeri Drake and Poor, 164
 basilewskyi Schouteden, 165
 biseriata Schouteden, 165
 bredoi Schouteden, 165
 brunnea Hacker, 165
 bullana Drake, 302
 burgeoni Schouteden, 165
 caffra Stål, 165
 camelinus Hacker, 101
 chiniana Drake, 165
 chiniana Drake, 177
 collarti Schouteden, 166
 consanguinea (Distant), 166
 constans (Drake), 166
 consueta Drake, 166
 cracens Drake, 166
 cremeri Drake, 166
 delineata (Distant), 166
 dichapetali Horváth, 311
 dikoana Drake, 167
 elongata Distant, 95
 emmelia Drake, 167
 endeca Drake, 167
 CYSTEOCHILA Stål—Continued
 euphues Drake and Ruhoff, 167
 exigua Drake, 167
 expleta Drake and Maa, 167
 faceta Drake, 167
 fida Drake and Maa [var.], 177
 fieberi (Scott), 168
 franzeni Drake, 176
 ghesquierei Schouteden, 168
 gibbosula Schouteden, 171
 gibbula (Horváth), 168
 hackeri Drake, 168
 horvathi Schouteden, 341
 humeralis (Distant), 168
 humeralis Schouteden, 171
 humerella Drake, 168
 idonea Drake, 169
 imprensa Horváth, 169
 incolana Drake, 169
 ituriensis Schouteden, 169
 jacobsoni (Blöte), 169
 javensis Drake and Poor, 169
 jimmina Drake, 169
 josephinae (Schouteden), 170
 katangae Schouteden, 170
 kintambo Schouteden, 170
 lecta Drake and Poor, 170
 lita Drake, 170
 lueboensis Schouteden, 170
 luzona Drake and Maa, 170
 malaisaci Drake and Ruhoff, 170
 malayana Drake, 171
 maynei Schouteden, 171
 mokuensis Schouteden, 171
 montrosa (Scott), 171
 munda Drake, 171
 natalensis (Stål), 171
 nativa Drake, 172
 nervosana Drake, 172
 nexa Distant, 96
 nigriceps (Signoret), 172
 nitens (Drake and Poor), 172
 orta Drake and Maa, 172
 oscitans Drake and Maa, 172
 otaviana Drake, 172
 pallens Horváth, 173
 phae Drake and Ruhoff, 173
 phiala Drake, 173

CYSTEOCHILA Stål—Continued

- picta* (Distant), 173
poecilia Drake and Ruhoff, 173
ponda Drake, 173
propria Drake, 173
rhodesiae Drake, 174
rubida Horváth, 174
rustica Drake, 174
seydeli Schouteden, 174
sordida (Stål), 174
sordidula (Horváth), 171
suensoni Drake, 174
suspecta Schouteden, 175
syscena Drake, 175
taeniophora Horváth, 320
taprobanes Kirkaldy, 175
tarda Drake, 175
terminalis Drake, 175
tingoides (Motschulsky), 175
tombeuri Schouteden, 175
tricolor (Hacker), 176
tzitzikamana Drake, 176
undosa Drake, 176
vadosa Drake, 176
visenda Drake and Poor, 176
vitilevuana Drake and Poor, 176
vota Drake, 177
wechinai Drake, 177
yungana Drake and Maa, 177
zavattarii Mancini, 177
cytharina (Butler), Corythaica, 138

dacicus Montandon, Catoplatus, 113
dampfi (Drake), Leptopharsa, 272
dapsilis Drake and Hambleton, Leptopharsa, 272
darlingtoni Drake, Parada, 319
darthula (Kirkaldy), Habrochila, 237
DASYTINGIS Drake and Poor, 177
bengalana (Drake), 177
rudis Drake and Poor, 177
semota Drake and Lutz, 178
dauci Horváth [var.], Tingis, 393
dauphnicum Drake, Paracopium, 315
davao Drake, Allocoderes, 30
deaba Drake, Engynoma, 205
debilis (Montandon), Hyalochiton, 245
debilis (Uhler), Uhlerites, 419

- deca* Drake and Hambleton, Leptopharsa, 272
decellei Schouteden, Haedus, 239
decens Champion [misident.], Corythucha, 141, 145
decens Drake and Hambleton, Leptopharsa, 272
decens (Stål), Corythucha, 150
decens Van Duzce [misident.], Corythucha, 154, 155
decepta Drake, Corythucha, 147
deceptiva (Drake and Bruner), Gargaphia, 224
deceptiva Drake and Hambleton (*see* *decepta*)
decor Drake and Hambleton, Leptodictya, 262
decor Drake and Hambleton, Ulotingis, 422
decora Drake, Leptobyrsa, 258
decorata Monte, Aepycysta, 62
decoris Drake, Gargaphia, 224
decoris Drake, Ulonemia, 420
decoris Drake and Hambleton (*see* *decor*)
decorus Jakovlev, Galeatus, 217
dehrana Drake and Maa, Baeochila, 95
delagoana Drake, Perissonemia, 323
delicata Monte, Leptopharsa, 273
delicatula China, Litadea, 6, 42
delicatula Horváth, Physatocheila, 331
delineata (Distant), Cysteoichila, 166
demissa Horváth, Tingis, 398
denieri Monte, Acanthocheila, 57
denigrata Drake, Kapiriella, 251
denigratus Drake, Mummius, 300
densata (Gibson), Corythaica, 139
dentatus (Fieber), Belenus, 99
dentatus (Hacker), Ccratocader, 29
denudata Horváth, Tingis, 406
depictus (Schouteden), Ammianus, 85
depressa Blöte, Stephanitis, 355
depressa Jakovlev, Agramma, 72
DEREPHYSIA Spinola, 430
biroi Horváth [var.], 432
brevicornis Reuter, 430
crispata Herrich-Schaeffer, 397
cristata (Panzer), 430
foliacea (Fallén), 431

DEREPHYSIA Spinola—Continued

- gardneri Drake and Poor, 432
 lugens Horváth, 432
 nigricosta Horváth, 432
 rectinervis Puton, 433
 sinuatocollis Puton, 433
 desaegeri Drake, Kapiriella, 251
 desecta Horváth, Stephanitis, 368
 deserticola Horváth, Tingis, 398
 diaphana Champion, Pachycysta, 313
 dichapetali (Horváth), Onymochila, 6,
 311

DICHOCYSTA Champion, 178

- pictipes Champion, 178

DICONOCORIS Mayr, 178

- capusi (Horváth), 6, 178
 distant Drake, 178
 greeni (Kirby), 179
 hewetti (Distant), 179
 inusitatus (Drake), 179
 javanus Mayr, 179
 nepalensis (Distant), 180
 pallida (Kirby), 179
 picturatus (Distant), 179

DICROTINGIS Drake and Ruhoff, 180

- digitalis (Drake), 180

dictyesthes Garbiglietti, Dictyonota, 438

DICTYLA Stål, 180

- abyssinica (Drake), 181
 aima Drake, 181
 ainsliei (Drake and Poor), 181
 alia Drake and Cobben, 181
 amitina (Horváth), 181
 aurigana (Drake), 181
 balli (Drake), 182
 berryi (Drake), 182
 bugioensis (China) [ssp.], 189
 burgeoni (Schouteden), 182
 cheriani (Drake), 182
 c-nigrum (Champion), 183
 collarti (Schouteden), 183
 coloradensis (Drake), 183
 comes (Drake), 183
 convergens (Herrich-Schaeffer), 183
 discoris (Drake) [ssp.], 182
 echii (Schrank), 184
 ehrethiae (Gibson), 186
 evidens (Drake), 186

DICTYLA Stål—Continued

- femorialis (Stål), 186
 figurata (Drake), 187
 flavipes (Signoret), 187
flexuosa (Novák) [fossil], 192
formosa (Drake), 186
 fulvescens (Kiritshenko), 187
 gerardi (Schouteden), 187
 haitiensis (Drake and Poor), 187
 humuli (Fabricius), 188
 imparis (Drake), 188
 indigena (Wollaston), 189
 inflata (Drake and Poor) [var.], 196
 laberculata (Uhler), 189
 leporis (Drake), 189
 leroyi (Schouteden), 189
 loricata (Distant), 189
 lupata (Drake and Poor), 190
 lupuli (Herrich-Schaeffer), 190
 monotropidia (Stål), 190
 montandoni (Horváth), 191
 nassata (Puton), 192
 nigricans (Hoberlandt) [var.], 186
 nodipennis (Horváth), 192
 novaki Drake and Ruhoff [fossil], 192
 parilis (Drake), 193
 parmata (Distant), 193
 patquiana (Drake), 193
 picturata (Distant), 193
 platyoma (Fieber), 194
 pongana (Drake), 194
 pucallpana (Drake and Hambleton),
 194
 pulla (Horváth) [var.], 195
 putoni (Montandon), 194
 rasilis (Drake and Maa), 195
reticulata (Rambur), 192
 rivalis (Horváth) [var.], 191
 ruandae (Schouteden), 195
 ruficeps (Horváth), 195
 rufina (Seidenstücker) [var.], 186
 sahlbergi (Horváth), 195
 salicorum (Baba), 195
 satanas (Schouteden) [var.], 182
 sauteri (Drake), 196
 seorsa (Drake and Poor), 196
 sessoris (Drake and Poor), 196
 sjostedti (Horváth), 196

DICTYLA Stål—Continued

- subdola (Horváth), 197
symphyti (Vallot), 188
 triconula (Seidenstücker), 197
 tuberosa (Horváth), 197
 uichancoi (Drake and Poor), 197
vesiculifera (Fieber), 188
 veterna (Scudder) [fossil], 10, 197
 vulcanorum (Schouteden), 197
wolffii (Fieber), 185
zavattarii (Mancini), 192

DICTYONOTA Curtis—Continued

- aethiops Horváth, 436
 albipennis von Baerensprung, 433
americana Parshley [var.], 439
 aridula Jakovlev, 437
aubei Signoret, 435
 beckeri Jakovlev, 439
 brevicornis Ferrari, 441
 cicur Horváth [var.], 439
 cingalensis Walker, 315
 comosa Takeya, 397
 coquereli (Puton), 441
crassicornis (Fallén), 437
dictyesthes Garbiglietti, 438
erythrocephala (Garbiglietti), 438
erythrophthalma (Germar and Kaulfuss), 437
eupatoria Jakovlev, 440
feberi Fieber, 434
 fuentei Puton, 440
 fuliginosa Costa, 13, 434
 gracilicornis Puton, 429
 henschi Puton, 440
 iberica Horváth, 440
idonea Jakovlev, 436
ifranensis Vidal, 439
 lugubris Fieber, 437
lurida (Garbiglietti), 438
 marmorea von Baerensprung, 434
maroccana Ribaut, 437
 marqueti Puton, 440
 mitoris Drake and Hsiung, 435
 nevadensis Gomez-Menor, 440
 pakistana Drake and Maldonado, 435
pilicornis (Herrich-Schaeffer), 438
 pulchella Costa, 435
 pusana Drake and Maa, 437

DICTYONOTA Curtis—Continued

- putoni* Ferrari, 440
 putonii Stål, 441
 reuteri Horváth, 441
 sareptana Jakovlev, 429
 sicardi Puton, 441
 strichnocera Fieber, 435
 teydensis Lindberg, 436
 theryi (Montandon), 441
 tricornis (Schrank), 12, 437
truncaticollis Costa, 438
- DICTYONOTA subg. ALCLETHIA Kirkaldy, 436
- DICTYONOTA subg. ELINA Ferrari, 439
- DICTYONOTA subg. KALAMA Puton, 441
- DICTYOTINGIS Drake, 442
 gibberis Drake, 442
 monticula Drake, 442
- DICYSTA Champion, 198
 amica Drake and Hambleton, 198
 braziliensis Drake, 198
 cara Drake, 198
 fonsecai Monte, 198
 hollandi Drake, 198
 lauta Drake and Hambleton, 198
 limata Drake and Hambleton, 199
 parilis Drake, 199
 peruviana Drake and Poor, 199
 sagillata Drake, 199
 smithi Drake, 199
 vitrea Champion, 199
- dicysta Kirkaldy, Nesocypselas, 303
 dicides Drake and Ruhoff, Bako, 97
differatis Drake (*see differitas*)
 differitas Drake, Gargaphia, 224
 difficilis Drake and Hambleton, Leptopharsa, 273
 diffidentis Drake and Poor, Cantacader, 25
 digitalis (Drake), Dicrotingis, 180
 dignata Drake, Lepturga, 291
 dignata (Drake and Poor), Ulonemia, 420
 dikoana Drake, Cystcochila, 167
dilatata Gomez Menor (*see ditata*)
 dilatata Monte, Leptodictya, 262
 dilatatus (Distant), Etconeus, 211

- dilatatus (Guérin-Méneville), Ammi-
anus, 86
- dilatatus (Jakovlev), Catoplatus, 114
- dilaticollis (Champion), Leptopharsa,
273
- dilectulum (Drake), Agramma, 67
- diluta Horváth [var.], Campylosteira,
103
- diminuta Horváth [var.], Campylosteira,
106
- diminuta Horváth [var.], Tingis, 392
- DIPLOCYSTA Horváth, 200
- bilobata Horváth, 200
- globuliformis Hacker, 200
- nimia Drake, 321
- nubila Drake, 321
- opipara Drake, 322
- papuana Drake, 200
- rustica Drake, 200
- trilobata Drake and Poor, 200
- DIPLOGOMPHUS* Horváth, 178
- capusi Horváth, 178
- dira Drake and Hambleton, Acantho-
cheila, 57
- discessa (Horváth) [var.], Tingis, 417
- discoidalis (Jakovlev), Monosteira, 298
- discordis Drake (*see* discors)
- discoris (Drake) [ssp.], Dictyla, 182
- discors Drake, Lasiacantha, 254
- discrega Drake and Smithers, Pogono-
styla, 345
- dispar Drake and Maa, Catoplatus, 114
- dispar Horváth, Campylosteira, 103
- dispar Schouteden, Compscuta, 123
- dispar Schouteden, Gitava, 235
- disparis* Drake and Maa (*see* dispar)
- dispersa* Drake, Teleonemia, 386
- dissimilis Distant, Aidoneus, 77
- dissita Drake and Ruhoff, Zeiratingis, 428
- dissitus Drake, Ottoicus, 312
- dissortis Drake, Gargaphia, 224
- distans Drake, Leptopharsa, 273
- distans (Jakovlev), Elasmotropis, 203
- distanti Drake, Diconocoris, 178
- distantis* Drake (*see* distans)
- disticha Drake, Froggattia, 215
- distinconis Drake, Leptopharsa, 273
- distincta Osborn and Drake, Corythucha,
147
- distinctissima* Esaki and Takeya, Stephani-
tis, 356
- distinctus Montandon, Catoplatus, 114
- distinguenda* Heidemann, Leptoyppha, 289
- distinguenda* (Jakovlev), Physatocheila,
332
- ditata (Puton) [var.], Acalypta, 50
- diversatis* (Drake) (*see* diversitas)
- diversitas (Drake), Haedus, 239
- divisa (Champion), Leptopharsa, 273
- divisus Bergroth, Cantacader, 25
- dohrni (Stål), Leptodictya, 262
- dola Drake and Hambleton, Lepto-
dictya, 262
- DOLICHOCYSTA* Champion, 135
- acuta Drake, 135
- densata Gibson, 139
- magna Gibson, 139
- obscura Van Duzee, 139
- venusta Champion, 139
- doriae* Ferrari [var.], Cantacader, 27
- dozieri* Drake and Hambleton, Ambly-
stira, 79
- DRAKEA* Schouteden, 64
- leleupi* Schouteden, 71
- drakei* Gibson, Corythucha, 159
- drakei* Hacker, Tingis, 398
- drakei* McAtee, Leptoyppha, 289
- DRAKELLA* Bergroth, 44
- saundersi Downes, 54
- dryadis* Drake and Poor, Idiocysta, 248
- dryadis* Drake and Poor, Physatocheila,
332
- dubium (Horváth), Agramma, 67
- dulcis Drake, Teleonemia, 375
- DULINIUS Distant, 200
- bellus Drake, 201
- burgeoni Schouteden, 201
- conchatus Distant, 201
- congruus Drake, 201
- involutus* (Drake), 201
- kraussi Drake, 201
- nigrolineatus* Distant, 201
- pulchrus (Schouteden), 201
- unicolor (Signoret), 201
- dumetorum (Herrich-Schaeffer), Phy-
satocheila, 332
- dumetorum* var. (Puton), Physatocheila,
329

- duryi* Drake, *Acalypta*, 46
duryi (Osborn and Drake), *Hesperotingis*, 242
dysmica Drake and Ruhoff [ssp.], *Epimixia*, 207
 DYSPHARSA Drake and Hambleton, 202
 myersi (Drake), 202

echii (Fabricius), *Octacysta*, 307
echii (Schrank), *Dictyla*, 184
echinopsis (Fieber), *Elasmotropis*, 204
echinus Distant, *Urentius*, 423
ecmeles Drake and Mahanasundaram, *Perissionemia*, 323
ecmeles Drake and Ruhoff, *Agramma*, 67
ecuadoris Drake, *Phatnoma*, 36
ecuadoris Drake and Hambleton, *Leptodictya*, 263
editus Drake, *Bako*, 98
egena (Puton) [var.], *Elasmotropis*, 204
egregia Drake, *Sphaerocysta*, 351
ehrethiae (Gibson), *Dictyla*, 186
elachys Drake and Ruhoff, *Leptopharsa*, 274

 ELASMOGNATHUS Fieber, 202
 abimva Schouteden, 203
 burgeoni Schouteden, 203
 fieberi Stål, 202
 greeni Kirby, 179
 helferi Fieber, 202
 hewetti Distant, 179
 inuitatus Drake, 179
 motoensis Schouteden, 203
 nepalensis Distant, 180
 pallida Kirby, 179
 picturatus Distant, 179
 ELASMOTROPIS Stål, 203
 abimva (Schouteden), 203
 burgeoni (Schouteden), 203
 distans (Jakovlev), 203
 echinopsis (Fieber), 204
 egena (Puton) [var.], 204
 motoensis (Schouteden), 203
 platydera Horváth [var.], 204
 selecta (Horváth), 203
 testacea (Herrich-Schaeffer), 204
 vicina Horváth [var.], 205
elata (Champion), *Leptopharsa*, 274
elata Drake, *Teleonemia*, 375

electa (Drake and Poor), *Ulonemia*, 420
elegans (Distant), *Gonycentrum*, 33
elegans Drake, *Corythucha*, 148
elegans (Hacker), *Leptopharsa*, 274
elegans Horváth, *Acalypta*, 46
elegans Kiritshenko, *Agramma*, 68
elegantula (Drake), *Planibyrsa*, 339
elegantula Stål, *Leptopharsa*, 274
elegantulus (Distant), *Hegesidemus*, 241
elegantulus Schouteden, *Hovatlas*, 244
elevata (Fabricius), *Teleonemia*, 375
 ELINA Ferrari [subg.], 439
elinoides (Jakovlev), *Acalypta*, 47
elisabethae (Schouteden), *Ammianus*, 86
elitha Drake and Ruhoff, *Leptodictya*, 263
eliyanus Distant, *Hegesidemus*, 241
elliptica McAtee, *Leptoyppha*, 289
elongata (Distant), *Baeochila*, 95
elongata (Drake), *Birabena*, 101
elongata (Fieber), *Tingis*, 398
elongata Uhler, *Teleonemia*, 379
elongatus (Drake), *Haedus*, 239
emmelia Drake, *Cysteocheila*, 167
enalla Drake and Ruhoff, *Physatocheila*, 333
endeca Drake, *Cysteocheila*, 167
engaeus Drake and Ruhoff, *Ulmus*, 41
engistum Drake and Ruhoff, *Gonycentrum*, 33
 ENGYNOMA Drake, 205
 angulata (Hacker), 205
 deaba Drake, 205
 immaculata Drake, 205
 insularis (Hacker), 205
 isolata Drake and Ruhoff, 205
 spinicollis (Horváth), 206
 tasmaniae (Drake and Poor), 206
 ENGYOTINGIS Drake and Ruhoff, 206
 cybele Drake and Ruhoff, 206
 tonkinana (Drake and Maa), 206
enodata (Drake), *Leptopharsa*, 274
enodis Drake, *Ambycysta*, 83
enodis Drake, *Physatocheila*, 333
 EOCADER Drake and Hambleton, 31
 bouclei (Bruner), 32
 vegrandis Drake and Hambleton, 32
 EOTINGIS Scudder, 206
 antennata Scudder [fossil], 206

- EPIMIXIA** Kirkaldy, 207
 aliphrosyne Kirkaldy, 207
 dysmica Drake and Ruhoff [ssp.], 207
 evansi Drake, 208
 nigriceps (Signoret), 207
 nigripes Horváth, 207
 roboris Drake, 62
 tenuatis Drake, 208
 veteris Drake, 207
 vittata Horváth, 208
 vulturina (Kirkaldy), 208
eremnoa Drake and Ruhoff [ssp.],
 Stephanitis, 354
eriodictyonae Osborn and Drake, Cory-
 thucha, 148
ERITINGIS Drake and Ruhoff, 208
 agyiates Drake and Ruhoff, 208
 amoena Drake and Ruhoff, 208
 aporema Drake and Ruhoff, 208
 exalla (Drake), 209
 hylaea Drake and Ruhoff, 209
 koebeli (Drake), 209
 nostratis (Drake), 209
 pacifica (Kirkaldy), 209, 210
 recens (Drake and Poor), 209
 trivirgatta (Horváth), 210
 violina Drake and Ruhoff, 210
erosus (Fieber), Ammianus, 86
eryngii Curtis [misident.], Dictyonota, 435
eryngii (Fieber) [misident.], Catoplatus,
 117
eryngii (Latrielle), Catoplatus, 112
erythrocephala Garbiglietti, Dictyonota,
 438
erythrophthalma (Germar and Kaulfuss),
 Dictyonota, 437
esakii Drake, Eteoneus, 212
esakii Takeya, Stephanitis, 367
ESOCAMPYLIA Hacker, 210
 hackeri Drake, 210
 incarinata Hacker, 210
essigi Drake, Corythucha, 159
ETEONEUS Distant, 211
 angolensis Drake, 211
 angulatus Drake and Maa, 211
 boops (Blöte), 211
 confectus Drake, 211
 congolensis Schouteden, 211
ETEONEUS Distant—Continued
 dilatatus (Distant), 211
 esakii Drake, 212
 homelys Drake and Ruhoff, 212
 inopinus Drake, 212
 lectus Drake, 212
 minor Schouteden, 212
 peroronus Drake, 212
 sarptus Drake and Poor, 213
 sigillatus Drake and Poor, 213
 vinsoni Drake and Mamet, 305
 virtutis Drake and Poor, 213
 visendus Drake and Poor, 213
 yapensis Drake, 100
eteosa Drake, Plesionoma, 39
etes Drake and Ruhoff, Larotingis, 252
EUAHANES Distant, 213
 inflatus Distant, 213
EUAULANA Drake, 442
 ferritincta Drake, 442
 tasmaniae Drake, 442
eueides Drake, Orotिंगis, 312
euonymus Distant, Urentius, 423
eupatoriae Jakovlev, Dictyonota, 440
euphorbiae Menon and Hakk, Urentius,
 423
euphues Drake and Ruhoff, Cysteochila,
 167
euphues Drake and Ruhoff, Hypsipyr-
 gias, 247
EURYCERA* Laporte, 128
 adumbrata Horváth, 128
 brevicornis Jakovlev, 128
 glabricornis Montandon, 316
 intermedia Rey, 130
 magnicornis Rey, 131
 nigricornis Laporte, 129
EURYPHARSA Stål, 213
 championi Bergroth, 214
 circumdata (Blanchard), 214
 farouki Silva, 214
 fenestrata Champion, 214
 nobilis (Guérin-Ménéville), 214
 phyllophila Drake, 214
 quadrifenestrata Bergroth, 214
evansi Drake, Codotingis, 121
evansi Drake, Epimixia, 208
evansi Drake, Nesocypselas, 303

- evidens* (Drake), *Dictyla*, 186
evidens Drake, *Leptodictya*, 263
evidens Drake, *Liotingis*, 292
evidentis Drake (*see evidens*)
exalla (Drake), *Eritingis*, 209
exalla Drake and Ruhoff, *Banahaona*, 98
excelans Drake, *Cromerus*, 162
exigua Drake, *Corythucha*, 159
exigua Drake, *Cysteocheila*, 167
exigua Horváth, *Stephanitis*, 367
exiguus Heidemann, *Atheas*, 92
eximia Horváth, *Campylosteira*, 104
exolasca Drake, *Physatocheila*, 333
exolenta Drake, *Cochlochila*, 120
explanata (Heidemann), *Stephanitis*, 362
expleta Drake, *Compseuta*, 124
expleta Drake and Maa, *Cysteocheila*, 167
exquisita Uhler, *Acanthocheila*, 58
extraria Drake, *Zatingis*, 427
- fabricii* (Stål), *Catoplatus*, 114
faceta Drake, *Cysteocheila*, 167
faceta Monte, *Leptodictya*, 263
fallax (Horváth), *Agramma*, 68
fallax (Horváth), *Tingis*, 398
fallax Monte, *Corycera*, 133
falleni Fieber, *Campylosteira*, 104
falleni Horváth [*misident.*], *Campylosteira*, 105
faramaeae Drake and Hambleton, *Leptopharsa*, 274
faramaeae Drake and Hambleton, *Stephanitis*, 355
farouki Silva, *Eurypharsa*, 214
fasciata (Fieber), *Physatocheila*, 334
fasciata Horváth, *Ischnotingis*, 250
fasciata Stål, *Gargaphia*, 233
fasciicarina Takeya, *Stephanitis*, 355
femorale (Thomson), *Agramma*, 68
femoralis (Stål), *Dictyla*, 186
femorata (Jakovlev) (*see femorale*)
fenestellatum (Bergroth), *Paracopium*, 315
fenestrata Champion, *Eurypharsa*, 214
FENESTRELLA* Osborn and Drake, 44
ovata Osborn and Drake, 46
ferritincta Drake, *Euaulana*, 442
ferruginea Bergroth, *Physatocheila*, 334
ferruginea Monte, *Tigava*, 388
fici Drake and Hambleton, *Leptopharsa*, 275
fida Drake and Maa [*var.*], *Cysteocheila*, 177
fieberi Fieber, *Dictyonota*, 434
fieberi (Puton), *Tingis*, 392
fieberi (Scott), *Cysteocheila*, 168
fieberi Stål, *Elasmognathus*, 202
fieberi (Takeya) [*misident.*], *Cysteocheila*, 165
figurata (Drake), *Dictyla*, 187
fijiana Drake and Poor, *Idiocysta*, 248
filetia Gibson, *Phatnoma*, 37
fimbriata (Champion), *Leptopharsa*, 275
finitima (Puton), *Acalypta*, 47
firma Drake and Hambleton, *Leptopharsa*, 275
flabilis (Bergroth), *Ammianus*, 87
flava Monte, *Leptopharsa*, 275
flavipes Champion, *Atheas*, 92
flavipes (Horváth), *Catoplatus*, 116
flavipes (Signoret), *Dictyla*, 187
flexuosa (Novák) [*fossil*], *Dictyla*, 192
flexuosa (Stål), *Gargaphia*, 224
flicolum (Horváth), *Paracopium*, 316
floridana Blatchley, *Corythaica*, 136
floridana Drake, *Hesperotingis*, 243
floridana Heidemann, *Corythucha*, 148
floris Drake and Poor, *Idiocysta*, 248
florissantensis Cockerell [*fossil*], *Tingis*, 399
foleyi Bergevin, *Tingis*, 399
foliacea (Fallén), *Derephysia*, 431
fonsecai Monte, *Dicysta*, 198
formosa (Drake), *Dictyla*, 186
formosa (Göldi) *Gargaphia*, 225
formosa Horváth, *Stephanitis*, 365
formosa (Stål), *Gargaphia*, 225
formosanum (Matsumura), *Agramma*, 68
formosatis Drake (*see formositis*)
formositis Drake, *Leptodictya*, 263
formosus Drake, *Cantacader*, 25
fornicata Stål, *Ceratinoderma*, 118
forsteroniae Drake and Hambleton, *Leptopharsa*, 275
forticornis Champion, *Telconemia*, 375

- fortis Drake, Corycera, 133
 fortis Drake and Hambleton, Leptopharsa, 275
 Fossils
 Cantacader avitus Drake, 24
 Cantacader quinquecarinatus (Germar and Berendt), 27
 Celantia seposita Cockerell, 118
 Dictyla flexuosa (Novák), 192
 Dictyla novaki Drake and Ruhoff, 192
 Dictyla veterna (Scudder), 197
 Eotingis antennata Scudder, 206
 Oncochila wollastoni (Heer), 310
 Phatnoma baltica Drake, 35
 Tingiopsis reticulata Bekker-Migdisova, 445
 Tingis florissantensis Cockerell, 399
 Tingis obscura Heer, 401
 Tingis sp. Berendt, 404
 Tingis sp. Hope, 404
 Tingis sp. Scudder, 404
 Tingis sp. Serres, 404
fracta (Herrich-Schaeffer), Acalypta, 45
franzeni Drake, Cysteocheila, 176
franzeni Hacker, Australotingis, 6, 95
fraterna Monte, Leptodictya, 263
fraterculum Schouteden, Paracopium, 316
 FROGGATTIA Froggatt, 215
 disticha Drake, 215
 hargreavesi Drake, 215
 olivia Froggatt, 215
funtei Horváth, Tingis, 399
funtei Puton, Dictyonota, 440
fulgoris Drake, Physatocheila, 334
fuliginosa Costa, Dictyonota, 13, 434
fulvescens (Kiritshenko), Dictyla, 187
fulvicornis (Jakovlev), Catoplatus, 115
fumosa Drake, Sphaerocysta, 351
funebri Schouteden [var.], Compseuta, 126
funerea Costa, Teleonemia, 375
furcata (Stål), Leptopharsa, 276
 FURCILLIGER Horváth, 215
 asperulus Horváth, 215
 cheesmanae Drake, 215
 comptus Drake, 254
 orestes Drake and Ruhoff, 216
 tricolor Hacker, 176
 furculata (Champion), Leptopharsa, 276
 furtivus Drake [var.] Cantacader, 28
 furvum (Horváth), Paracopium, 316
 fusca Drake [var.], Holophygdon, 244
 fusca Drake, Leptodictya, 261
 fusca Schouteden, Gitava, 235
 fuscata Parshley, Hesperotingis, 243
 fuscescens Philippi, Coleopterodes, 122
 fuscicornis (Rey) [var.], Acalypta, 53
 fuscigera Gibson [misident.], Corythucha, 141, 143, 156
 fuscigera Gillette and Baker [misident.], Corythucha, 147
 fuscigera (Stål), Corythucha, 149
 fuscigera Van Duzee [misident.], Corythucha, 156
 fuscipes Champion, Atheas, 92
 fuscipes Monte [misident.], Atheas, 94
 fuscitarsis Champion, Amblystira, 80
 fuscocincta (Stål), Leptodictya, 264
 fuscofasciata (Champion), Leptopharsa, 276
 fuscomaculata (Stål), Corythucha, 149
 GABIROBIUS Schouteden, 216
 basilewskyi Schouteden, 216
 GALEATINI* Blatchley, 42
 GALEATUS Curtis, 216
 affinis (Herrich-Schaeffer), 220
 augusticollis Reuter, 220
 armatus Takeya, 216
 artemisifolium (Shinji), 220
 brevispinus Jakovlev, 219
 cellularis Jakovlev, 216
 clara Drake, 217
 colpochilus Horváth, 245
 consimilis Horváth [var.], 245
 darthula Kirkaldy, 237
 debilis Montandon, 245
 decorus Jakovlev, 217
 inermis (Jakovlev), 217
 involutus Drake, 201
 komaroffi Jakovlev, 245
 maculatus (Herrich-Schaeffer), 217
 major Puton, 218
 maroccanus Lindberg, 218
 multiseriatus Reuter, 246
 peckhami (Ashmead), 220
 perspicuus (Jakovlev), 219

GALEATUS Curtis—Continued

- retarius* (Distant), 218
schwarzi Drake, 62
scitulus Drake and Maa, 218
scrophicus Saunders, 218
semilucidus Jakovlev, 218
sinuatus (Herrich-Schaeffer), 219
spinifrons (Fallén), 14, 219
strumosus Horváth, 246
subglobosa (Herrich-Schaeffer), 217
syrmensis Horváth, 246
uhleri Horváth, 220
urbanus Horváth, 60
- GALEOTINGIS* Drake, 97
malayana Drake, 98
usumburana Drake, 98
- galerita* Drake, Leptodictya, 264
gallarum Horváth, Stephanitis, 356
gambiana Drake, Lasiacantha, 255
gamboana Drake and Hambleton, Tingis, 410
gardneri Drake and Poor, Derephysia, 432

GARGAPHIA Stål, 221

- acmonis* Drake and Hambleton, 221
albescens Drake, 221
amorphae (Walsh), 221
angulata Heidemann, 222
argillacea Monte, 222
arizonica Drake and Carvalho, 222
balli Drake and Carvalho, 222
bergi Monte, 233
bimaculata Parshley, 222
biolleyi Blöte, 231
boliviana Monte, 223
brunfelsiae Monte, 223
carinata Gibson, 223
comosa Monte, 223
concursa Drake, 223
condensa Gibson, 223
costalimai Monte, 223
crotonae Drake and Hambleton, 224
deceptiva (Drake and Bruner), 224
decoris Drake, 224
differitas Drake, 224
dissortis Drake, 224
fasciata Stål, 233
flexuosa (Stål), 224
formosa (Stål), 225

GARGAPHIA Stål—Continued

- formosa* (Göldi), 225
gentilis Van Duzee, 225
gracilentata Drake, 225
holoxantha Monte, 225
impedita Drake and Hambleton [var.], 229
implicata Drake and Hambleton, 225
inca Monte, 229
insularis Van Duzee, 226
interrogationis Monte, 226
iridescens Champion, 226
jucunda Drake and Hambleton, 226
lanei Monte, 226
limata Drake and Poor, 226
lasciva Gibson, 227
lineifera (Walker), 228
lunulata (Mayr), 227
magna Gibson, 228
manni Drake and Hurd, 227
mexicana Drake, 227
mirabilis Monte, 227
munda (Stål), 228
neivai Drake and Poor, 228
nexilis Drake and Hambleton, 228
nigrinervis Stål, 228
nociva Drake and Hambleton, 229
obliqua Stål, 229
opacula Uhler, 229
opima Drake, 229
oreades Drake, 230
oregona Drake and Hurd, 230
panamensis Champion, 230
paraguayensis Drake and Poor, 230
patria (Drake and Hambleton), 230
patricia (Stål), 230
paula Drake, 231
penningtoni Drake, 231
schulzei Drake, 231
seorsa Drake and Hambleton, 231
serjaniae Drake and Hambleton, 231
shelfordi Drake and Hambleton, 232
socorronea Drake, 232
solani Heidemann, 232
sororia Hussey, 232
stigma Monte, 229
subpilosa Berg, 232
tiliae (Walsh), 233
torresi Costa Lima, 234

- GARGAPHIA Stål—Continued
 trichoptera Stål, 234
 tuthilli Drake and Carvalho, 234
 undulata Heidemann, 222
 valerioi Drake, 234
 vanduzeei Gibson, 234
 venosa Drake and Poor, 234
- GELCHOSSA* Kirkaldy, 269
 albocosta Drake, 133
 dampfi Drake, 272
 deceptiva Drake and Bruner, 224
 elegans Hacker, 274
 magnifica Drake, 326
 praestantiss Drake, 327
- genetica Drake and Hambleton, Campy-
 lotingis, 109
- geniculata (Fieber), Tingis, 410
 geniculata (var.) (Reuter), Tingis, 417
 gentilis Van Duzee, Gargaphia, 225
 gerardi Schouteden, Cantacader, 25
 gerardi (Schouteden), Dictyla, 187
 germainii (Signoret), Stenocader, 40
 ghesquierei Schouteden, Aconchus, 60
 ghesquierei (Schouteden), Ammianus, 87
 ghesquierei Schouteden, Cystechila, 168
 ghesquierei Schouteden, Habrochila, 237
 ghesquierei (Schouteden), Paracopium,
 316
- gibba (Fieber), Physatocheila, 334
 gibberis Drake, Dictyotingis, 442
 gibbifera (Picado), Ambycysta, 83
 gibbiferus (Walker), Pontanus, 346
 gibbosa Monte, Corycera, 133
 gibbosula Schouteden, Cystechila, 171
 gibbula (Horváth), Cystechila, 168
 gibbum Fieber, Agramma, 69
 gigantes Drake, Paracopium, 316
- GITAVA Drake, 235
 basilewskyi Schouteden, 235
 benoiti Schouteden, 235
 dispar Schouteden, 235
 fusca Schouteden, 235
 madagascariensis Schouteden, 235
 pallens Schouteden [ssp.], 236
 petila Drake, 235
 procera Drake, 235
 ugandana (Drake), 236
- glabricorne (Montandon), Paracopium,
 316
- globiceps (Horváth), Agramma, 69
 globifera Champion [misident.], Sphaero-
 cysta, 352
- globifera (Stål), Sphaerocysta, 351
 globigera Breddin, Corythucha, 149
 globulifera (Matsumura), Stephanitis, 364
 globulifera Monte, Corythucha, 149
 globulifera (Walker), Cochlochila, 119
 globuliformis Hacker, Diplocysta, 200
- GONYCENTRUM Bergroth, 32
 aethiops (Distant), 32
 afrum Drake and Ruhoff, 32
 angustatum Drake, 32
 coronatum (Fieber), 33
 elegans (Distant), 33
 engistum Drake and Ruhoff, 33
 nebulosum (Distant), 33
 reticulatum (Distant), 33
 socium Drake and Ruhoff, 33
 testaceum (Distant), 34
 thomasi Drake, 34
 tindalei (Hacker), 34
- gossypii (Fabricius), Corythucha, 149
 gossypii (Torre-Bueno) [misident.], Cory-
 thucha, 153
- gounellei (Drake), Nectocader, 29
- gracilentata (Champion), Leptopharsa,
 276
- gracilentata Drake, Gargaphia, 225
 gracilicorne (Wagner), Agramma, 69
 gracilicornis (Puton), Biskria, 429
 gracilis (Fieber), Acalypta, 47
 gracilis Hacker [var.], Oncophysa, 311
 gracilis (Herrich-Schaeffer), Lasiacantha,
 255
- gracilis (Kolenati) [misident.], Lasia-
 cantha, 253
- gracilis Monte, Tigava, 388
- graminis Drake and Poor, Tigava, 388
- grandatis Drake, Leptodictya, 264
- grandensis Horváth, Tingis, 411
- granulosa Monte, Teleonemia, 376
- greeni (Distant) [misident.], Diconocoris,
 178
- greeni (Kirby), Diconocoris, 179
- gressitti Drake, Cromerus, 162

- gressitti Drake, *Gyalotingis*, 236
 gressitti Drake, Palauella, 313
 gressitti Drake, Stephanitis, 356
 gressitti Drake and Poor, *Perissonemia*, 323
 grisea Germar, *Tingis*, 399
 grisea Heidemann, *Acalypta*, 48
 grisea (Matsumura) [misident.], *Tingis*, 400
 griseola (Puton), *Tingis*, 411
 grossocerata Osborn and Drake, *Alveotingis*, 79
 guamensis (Drake), *Berotingis*, 100
 guatemalana Drake, *Phatnoma*, 36
 guatemalensis Drake and Poor, *Leptopharsa*, 276
 guinaicus Drake, *Trachypeplus*, 418
 guttatum Thunberg, *Copium*, 445
 guyanensis Drake and Carvalho, *Teleonemia*, 376
- GYALOTINGIS** Drake, 236
 gressitti Drake, 236
- GYMNOTINGIS** Hacker, 236
 serrulata Hacker, 236
- HABROCHILA** Horváth, 236
 africana Drake, 236
 chinensis Drake, 237
 clivosa Drake, 237
 darthula (Kirkaldy), 237
 ghesquierei Schouteden, 237
 horvathi Schouteden, 237
 iolana Drake, 237
 laeta Drake, 237
 monticola Horváth, 238
 natalana Drake, 238
 placida Horváth, 238
- hackeri China, *Idiocysta*, 248
 hackeri Drake, *Cystoichila*, 168
 hackeri Drake, *Escocampylia*, 210
 hackeri Drake, *Mecopharsa*, 296
 hackeri Drake, *Parada*, 320
 hackeri Drake, *Phatnoma*, 36
 hackeri Drake, *Tingis*, 400
 hackeri Drake and Poor, *Cromerus*, 162
- HAEDUS** Distant, 238
 bellus (Drake), 238
 burungus Schouteden, 238
 clypeatus Distant, 238
- HAEDUS** Distant—Continued
 dcelllei Schouteden, 239
 diversitas (Drake), 239
 elongatus (Drake), 239
 javancus Drake, 239
 lectus (Drake), 239
 oios Drake and Ruhoff, 239
 otiosus Drake, 239
 pallens Schouteden, 240
 pictus (Distant), 240
 polulus Drake, 240
 sidae (Drake and Poor), 240
 vicarius (Drake), 240
 villiersi (Drake), 240
 haitiensis (Drake and Poor), *Dictyla*, 187
 hamadryas (Drake), *Paracopium*, 9, 317
 hambletoni Drake, *Tigava*, 389
 hambletoni Drake and Poor, *Pachycysta*, 313
- HANUALA** Kirkaldy [subg.], 260
 leinahoni Kirkaldy, 264
- haplotes Drake and Ruhoff, *Nethersia*, 305
 hargreavesi Drake, *Froggattia*, 215
 harwoodi China, *Physatocheila*, 334
 hasemani Drake, *Teleonemia*, 376
 haytiensis Drake [var.], *Teleonemia*, 384
- HEBETINGIS** Drake, 241
 adeia Drake, 241
 hedenborgii (Stål), *Lasiacantha*, 255
- HEGESIDEMUS** Distant, 241
 elegantulus (Distant), 241
 cliyanus Distant, 241
 otiosus Drake, 241
 pauliani Drake, 241
- heidemanni Drake, *Corythucha*, 151
 heidemanni (Osborn and Drake), *Leptopharsa*, 277
 helferi Fieber, *Elasmognathus*, 202
 hellenica (Puton), *Tingis*, 406
 hellenica Reuter, *Acalypta*, 48
 helvina (Jakovlev), *Tingis*, 412
- HENRIKUS** Drake, 241
 schoutedeni Drake, 242
 henschi Puton, *Dictyonota*, 440
 henshawi (Ashmead), *Melanorhopala*, 297
 herana Drake, *Pogonostyla*, 345

- hesperia* Parshley, *Corythucha*, 151
 HESPEROTINGIS Parshley, 242
 antennata Parshley, 242
 borealis Parshley [var.], 242
 confusa Drake [var.], 242
 duryi (Osborn and Drake), 242
 floridana Drake, 243
 fuscata Parshley, 243
 illinoiensis Drake, 243
 mississippiensis Drake, 243
 occidentalis Drake, 243
heteromelecola Drake, *Corythucha*, 152
heteropepla Horváth, *Acalypta*, 48
heveac Drake and Poor, *Leptopharsa*,
 277
hewitti (Distant), *Diconocoris*, 179
hewitti Drake, *Corythucha*, 151
hikosana Drake, *Stephanitis*, 356
hilaris Horváth, *Catoplatus*, 115
himalayae Drake, *Tingis*, 394
hintoni Drake, *Leptopharsa*, 277
hirsutum Drake, *Paracopium*, 317
hirta (Monte), *Phaeochila*, 326
hirticorne (Bergroth), *Paracopium*, 317
hispanica Gomez-Menor, *Biskria*, 429
hispida Uhler, *Corythucha*, 151
hispida Van Duzee [misident.], *Corythu-*
 cha, 160
histricula (Puton), *Lasiacantha*, 256
hoberlandti Roubal, *Acalypta*, 48
hoffmani Drake, *Leptopharsa*, 277
hoffmani (Drake), *Tingis*, 401
hoggari Bergevin, *Urentius*, 423
holana Drake, *Compseuta*, 124
hollandi Drake, *Acanthocheila*, 58
hollandi Drake, *Dicysta*, 198
hollandi Drake, *Neotingis*, 303
 HOLOPHYGDON Kirkaldy, 243
 artocarpi Horváth, 78
 fusca Drake and Poor [var.], 244
 melanesica Kirkaldy, 243
holoxantha Monte, *Gargaphia*, 225
homelys Drake and Ruhoff, *Eteoneus*,
 212
hoodiana Osborn and Drake, *Corythucha*,
 159
 HORMISDAS* Distant, 238
 bella Drake, 238
 diversatis Drake, 239
 HORMISDAS* Distant—Continued
 elongata Drake, 239
 lectus Drake, 239
 pictus Distant, 240
 sidae Drake and Poor, 240
 vicarius Drake, 240
 villiersi Drake, 240
horni Drake, *Xenotingis*, 426
horvathi Drake, *Arushia*, 92
horvathi Drake, *Campylosteira*, 104
horvathi Drake, *Ischnotingis*, 250
horvathi Drake, *Lasiacantha*, 256
horvathi Kiritshenko, *Biskria*, 429
horvathi (Puton), *Catoplatus*, 116
horvathi Schouteden, *Habrochila*, 237
horvathi (Schouteden), *Plerochila*, 341
horvathi Wagner, *Copium*, 130
 HORVATHULA Schouteden, 244
 uniseriata (Horváth), 244
hospita Drake and Poor, *Leptopypha*, 289
hova Schouteden, *Phatnoma*, 37
 HOVATLAS Schouteden, 244
 elegantulus Schouteden, 244
hoytona Drake, *Xynotingis*, 427
huachucae Drake, *Teleonemia*, 376
hubbelli Drake, *Acysta*, 60
humeralis (Distant), *Cysteochila*, 168
humeralis (Distant), *Plesionoma*, 40
humeralis Schouteden, *Cysteochila*, 171
humerella Drake, *Cysteochila*, 168
humilis Horváth [var.], *Campylosteira*,
 106
humuli (Fabricius), *Dictyla*, 188
humuli (Fallén) [misident.], *Dictyla*, 184
humuli (Fieber) [misident.], *Dictyla*, 183
hupehanum (Drake and Maa),
 Agramma, 69
hurdae Drake, *Tingis*, 400
 HURDCHILA Drake, 244
 mira (Drake and Poor), 244
 togularis (Drake and Poor), 245
hyalina (Guérin-Ménéville) [misident.],
 Corythucha, 160
hyalina (Herrich-Schaeffer), *Corythucha*,
 145
 HYALOCHITON Horváth, 245
 algiricus Lindberg, 245
 copochilus (Horváth), 245
 consimilis (Horváth) [var.], 245

- HYALOCHITON** Horváth—Continued
debilis (Montandon), 245
komaroffii (Jakovlev), 245
multiseriatus (Reuter), 246
strumosus (Horváth), 246
syrmienensis (Horváth), 246
 hyaloptera (Stål), Leptopharsa, 277
HYBOPHARSA Hurd, 246
 colubra (Van Duzee), 246
 hydrangeae Drake and Maa, Stephanitis, 356
 hylaea Drake and Ruhoff, Eritingis, 209
HYPSPYRGIAS Kirkaldy, 247
 euphues Drake and Ruhoff, 247
 telamonides Kirkaldy, 247
HYPSPOTINGIS Drake, 247
 columna Drake, 247
hystricellus (Richter), Urentius, 423

iberica Horváth, Dictyonota, 440
IDIOCYSTA China, 247
 bicolor Drake and Poor, 247
 dryadis Drake and Poor, 248
 fijiana Drake and Poor, 248
 floris Drake and Poor, 248
 hackeri China, 248
IDIOSTYLA Drake, 248
 anonae (Drake and Hambleton), 248
 rolliniae (Drake and Hambleton), 248
idonea Drake, Cysteoichila, 169
idonea Jakovlev, Dictyonota, 436
idoneus Drake and Ruhoff, Trachy-
 peplus, 418
ifranensis Vidal, Dictyonota, 439
ignota Drake and Hambleton, Lepto-
 pharsa, 278
ILDEFONSUS Distant, 249
 nexus Drake and Ruhoff, 249
 provorsus Distant, 249
ilicis Drake, Leptoyppha, 289
illinoiensis Drake, Hesperotingis, 243
illudens (Drake), Vatica, 424
illustris Drake and Poor, Perissonemia,
 324
imbecillum (Horváth) [var.], Agramma,
 67
immaculata Drake, Engynoma, 205
 immaculata (Drake and Hambleton),
 Liotingis, 293
immaculata Osborn and Drake,
 Corythucha, 152
immatura (Stål) [var.], Leptopharsa,
 276
imparis (Drake), Dictyla, 188
impedita Drake and Hambleton [var.],
 Gargaphia, 229
impensa Drake, Tingis, 400
implicata Drake and Hambleton, Gar-
 gaphia, 225
impresa Horváth, Cysteoichila, 169
inannana Drake, Leptopharsa, 278
inannana Drake, Nesocypselas, 304
inaudita Drake and Hambleton, Lepto-
 pharsa, 278
inca Monte, Gargaphia, 229
incarinata Hacker, Escampylia, 210
incolana Drake, Cysteoichila, 169
incurvata Uhler, Corythucha, 152
indiana Drake, Stephanitis, 364
indicus Menon and Hakk, Urentius, 423
indigena Drake, Chorotingis, 439
indigena (Wollaston), Dictyla, 189
inermis Horváth, Monosteira, 298
inermis (Jakovlev), Galeatus, 217
inflata (Drake and Hambleton) (see
 inflexa)
inflata (Drake and Poor) [var.], Dictyla,
 196
inflata (Stål), Sphaerocysta, 352
inflatus Distant, Euahanes, 213
inflexa (Drake and Hambleton), Plio-
 byrsa, 343
informis Parshley [var.], Corythucha, 154
infuscata Parshley, Melanorhopala, 298
infuscatus Distant, Cantacader, 25
infuscatus Schouteden [var.], Cantacader,
 28
INOMA Hacker, 249
 angusta Drake, 249
 multispinosa Hacker, 249
INONEMIA Drake, 249
 brevis Drake [ssp.], 250
 mussiva Drake, 249
inopinus Drake, Eteoncus, 212
inops Drake and Hambleton, Teleonemia,
 376

- inornata* Monte, Teleonemia, 376
insigne Schouteden, Paracopium, 317
insignis Heidemann, Atheas, 93
insolens Drake, Lullius, 293
insulana (Drake), Conchotingis, 127
insularis (China), Ogygotingis, 308
insularis Drake, Cantacader, 25
insularis (Hacker), Engynoma, 205
insularis (Horváth), Tingis, 412
insularis Schouteden, Lasiacantha, 256
insularis Van Duzee, Gargaphia, 226
insulicola Drake and Poor, Allotingis, 78
integra Champion, Acysta, 61
integra Drake and Hambleton, Campylo-
 tingis, 109
intermedia (Flor), Acalypta, 53
intermedia Monte, Leptodictya, 264
intermedium (Rey), Copium, 130
intermedium (Wagner), Agramma, 69
intermedius Vidal [var.], Catoplatus, 113
interrogationis Monte, Gargaphia, 226
interrupta Champion, Acysta, 61
intonsa Drake, Pogonostyla, 345
inuitatus (Drake), Diconocoris, 179
invarius Drake [misident.], Cromerus,
 162
invarius (Walker), Cromerus, 163
involutus (Drake), Dulinius, 201
iolana Drake, Habrochila, 237
iridescens Bergroth [misident.], Gargaphia,
 233
iridescens Champion, Gargaphia, 226
iridis Drake, Leptopharsa, 273
irregularis Hacker, Physatocheila, 337
irregularis Montrouzier, Physatocheila,
 334
irrorata Howard, Corythucha, 153
 ISCHNOTINGIS Horváth, 250
 fasciata Horváth, 250
 horvathi Drake, 250
 prolixa Horváth, 250
 setosus Hacker, 306
 yanchepana Drake, 250
isolata Drake and Ruhoff, Engynoma,
 205
iturica (Schouteden), Kapiriella, 251
ituriensis Schouteden, Bunia, 101
ituriensis Schouteden, Cochlochila, 120
ituriensis Schouteden, Cysteochila, 169
jacobsoni (Blöte), Cysteochila, 169
jacobsoni Horváth, Trachypeplus, 418
jalorensis Distant, Penottus, 321
jamaicans Hurd, Teleonemia, 376
 JANNAEUS* Distant, 253
 altimitratus Takeya, 253
 cuneatus Distant, 254
 mirus Drake and Poor, 244
 togularis Drake and Poor, 245
jansoni (Drake), Campyloitingis, 109
japonicus Drake, Cantacader, 26
japonicum (Drake), Agramma, 70
japonicum Esaki, Copium, 131
javancus Drake, Haedus, 239
javanus Mayr, Diconocoris, 179
javensis Drake and Poor, Cysteochila,
 169
jensoni Bergroth, Teleonemia, 374
jimmina Drake, Cysteochila, 169
jinjana Drake, Phatnoma, 37
josephinae (Schouteden), Cysteochila,
 170
jubaris Drake and Hambleton, Lepto-
 pharsa, 278
jubata Drake and Hambleton, Teleo-
 nemia, 376
jucunda Drake, Teleonemia, 377
jucunda Drake and Hambleton, Gar-
 gaphia, 226
juglandis (Fitch), Corythucha, 152
juglandis Provancher [misident.], Cory-
 thucha, 142
juglandis Van Duzee [misident.], Cory-
 thucha, 157
juncta Drake and Hambleton, Corycera,
 133
junodi (Distant), Ammianus, 87
juvenca (Horváth), Tingis, 412

kahavalu Kirkaldy, Acanthocheila, 56
 KALAMA Puton [subg.], 441
 coquereli Puton, 441
 theryi Montandon, 441
kalshoveni Drake, Cromerus, 163
 KAPIRIELLA Schouteden, 250
 conradi Drake, 250
 denigrata Drake, 251
 desaegeri Drake, 251
 iturica (Schouteden), 251

- KAPIRIELLA** Schouteden—Continued
leplaci Schouteden, 251
maculigera (Horváth), 251
maynei (Schouteden), 251
natalana Drake, 251
polita (Drake), 251
saetula Drake, 252
schoutedeni Drake, 252
wechinai Drake, 252
kardia Drake and Ruhoff, Stephanitis, 366
karisimbiense (Schouteden), Agramma, 70
kassianoffi Drake, Ammianus, 87
katangae Schouteden, Cysteochila, 170
katbergana Drake, Physatocheila, 335
kiesenwetteri (Mulsant and Rey), Tingis, 413
kietana Drake and Ruhoff, Perissonemia, 324
kilimensis Horváth, Cochlocheila, 120
kin Schouteden, Lasiacantha, 256
kintambo Schouteden, Cysteochila, 170
kirinana Drake, Tingis, 412
KIROKO* Schouteden, 84
tricarinata Schouteden [var.], 85
kittenbergeri Drake, Compseuta, 123
kivuanum (Drake), Agramma, 70
kivuensis Schouteden, Ceratinoderma, 118
kivuensis (Schouteden), Naochila, 302
knighti Drake, Calotingis, 102
koebeli (Drake), Eritingis, 209
kollari (Fieber), Paracypium, 317
komaroffii (Jakovlev), Hyalochiton, 245
kraussi Drake, Dulinius, 201
krueperi (Reuter), Catoplatus, 114
kyshuana Drake, Stephanitis, 355

labeculata (Uhler), Dictyla, 189
LACCOMETOPUS* Fieber, 128
albilateralis Stål, 385
kollari Fieber, 317
luctuosus Stål, 377
prolixus Stål, 380
laciniata Fieber, Phatnoma, 37
laciocera (Matsumura) (*see* lasiocera)
lactea Drake, Corythucha, 154
laeta Drake, Habrochila, 237
laeta (Herrich-Schaeffer) [misident.], Agramma, 66
laetabilis (Horváth), Tingis, 400
laetantis Drake and Hambleton, Atheas, 93
laetum (Fallén), Agramma, 70
laetum Flor [misident.], Agramma, 68
laevifrons Champion, Amblystira, 80
laidis Drake and Hambleton, Leptodictya, 264
lamellata Drake, Compseuta, 124
laminatus (Horváth), Ammianus, 87
lanceolata Hesse, Mafa, 295
lanceolata (Walker), Teleonemia, 385
lanei Monte, Gargaphia, 226
lanigera Puton, Tingis, 400
lantanae Distant, Teleonemia, 383
laplumei (Schouteden), Belenus, 99
laratana Drake, Stephanitis, 367
laratanus Drake, Cantacader, 26
LAROTINGIS Drake, 252
aporia Drake, 252
etes Drake and Ruhoff, 252
lasciva Gibson, Gargaphia, 227
LASIACANTHA Stål, 252
absimilis Drake, 253
altimirata (Takeya), 253
capucina (Germar), 253
comans Drake, 254
compta (Drake), 254
crassicornis Horváth, 254
cuclifera (Puton), 255
cuneata (Distant), 254
discors Drake, 254
gambiana Drake, 255
gracilis (Herrich-Schaeffer), 255
hedenborgii (Stål), 255
histicula (Puton), 256
horvathi Drake, 256
insularis Schouteden, 256
kin Schouteden, 256
leai (Hacker), 256
merita Drake, 256
odontostoma (Stål), 257
piligera (Garbiglietti), 255
setulosa (Fieber), 253
sideris Drake, 257
turneri Drake, 257
yebo Schouteden, 257

- LASIOCERA Laporte, 445
lasiocera Matsumura, Tingis, 400
 LASIOTROPIS Stål [subg.], 405
 amplicostata Montandon [var.], 415
lateris Drake and Hambleton, *Pliobyrsa*, 343
laticollis Horváth, *Cantacader*, 26
laticollis Takeya (*see* *laticollis*)
latipennis (Champion), *Aristobyrsa*, 91
latipennis Horváth [var.], *Campylosteira*, 108
latipennis Horváth, *Compseuta*, 124
laticollis Takeya, *Uhlrites*, 419
laudata Drake and Poor, *Stephanitis*, 356
laureata Drake and Hambleton, *Leptopharsa*, 278
lauta Drake and Hambleton, *Dicysta*, 198
lauta Drake and Hambleton, *Leptopharsa*, 278
lautana Drake and Ruhoff, *Physatocheila*, 335
leai Drake, *Oncophysa*, 310
leai Drake, *Ulonemia*, 421
leai (Hacker), *Allocader*, 23
leai (Hacker), *Lasiacantha*, 256
lebruni Schouteden, *Bako*, 98
lecta Drake and Poor, *Cysteocheila*, 170
lectus Drake, *Eteoneus*, 212
lectus (Drake), *Haedus*, 239
lefroyi Distant, *Compseuta*, 124
leinahoni (Kirkaldy), *Leptodictya*, 264
eitei Drake and Hambleton, *Teleonemia*, 377
leleupi (Schouteden), *Agramma*, 71
 LEMBELLA* Schouteden, 250
 iturica Schouteden, 251
 maculigera Horváth, 251
 maynei Schouteden, 251
 polita Drake, 251
lenatis Drake, *Campylopingis*, 109
lenatis Drake (*see* *lenatis*)
lenis Drake and Poor, *Physatocheila*, 335
lenitis Drake, *Leptopharsa*, 278
lepida Horváth, *Biskria*, 429
lepida (Stål), *Leptodictya*, 265
leplaei Schouteden, *Kapiriella*, 251
leporis (Drake), *Dictyla*, 189
 LEPTOBYRSA Stål, 257
 ardua Drake, 257
 baccharidis Drake and Hambleton, 257
 binotata Drake and Bruner, 78
 bradleyi Drake, 271
 bruchii Drake, 258
 chiriquensis Champion, 342
 cucullata Berg, 137
 decora Drake, 258
 elegantula Drake, 339
 explantata Heidemann, 362
 latipennis Champion, 91
 magnifica Hacker, 292
 major Hacker, 292
 mendocina Pennington, 258
 mollinediae Drake and Hambleton, 344
 nigriceps Champion, 342
 nigritarsis Monte, 258
 passiflorae Berg, 137
 plicata Champion, 343
 pulchra Monte, 258
 sodalis Drake and Bondar, 340
 splendida Drake, 340
 steini (Stål), 258
 tersa Drake and Hambleton, 259
 translucida Champion, 344
 sp. Wirtner, 362
leptochila Horváth, *Tingis*, 401
 LEPTOCYSTA Stål, 259
 notialis Drake, 259
 novatis Drake, 259
 sexnebulosa (Stål), 259
 tertia Monte, 260
Leptodicta auct. (*see* *Leptodictya*)
 LEPTODICTYA Stål, 260
 approximata (Stål), 260
 austrina Drake and Hambleton, 261
 bambusae Drake, 261
 championi Drake, 261
 circumcincta Champion, 261
 colombiana Drake, 261
 comes Drake and Hambleton, 262
 cretata Champion, 262
 decor Drake and Hambleton, 262
 dilatata Monte, 262
 dohrni (Stål), 262

LEPTODICTYA Stål—Continued

- dola Drake and Hambleton, 262
 ecuadoris Drake and Hambleton, 263
 elitha Drake and Ruhoff, 263
 evidens Drake, 263
 faceta Monte, 263
 formositis Drake, 263
 fraterna Monte, 263
fusca Drake, 261
 fuscocincta (Stål), 264
 galerita Drake, 264
 grandatis Drake, 264
 intermedia Monte, 264
 laidis Drake and Hambleton, 264
 leinahoni (Kirkaldy), 264
 lepida (Stål), 265
 lewisi Scott, 120
 litigiosa Monte, 265
 lucida Drake and Hambleton, 265
 luculenta Drake, 265
 madelinae Drake, 265
 madra Drake and Hambleton, 265
 nema Drake and Hambleton, 266
 nicholi Drake, 266
 nigra Monte, 266
 nigrosis Drake and Hambleton, 266
 nota Drake and Hambleton, 266
 ochropa (Stål), 260
 olyrae Drake, 266
 parilis Drake and Hambleton, 267
 paspalii Drake and Hambleton, 267
 paulana Drake and Hambleton, 267
 perita Drake, 267
 plana Heidemann, 267
 simulans Heidemann, 267
 sinaloana Drake, 268
 socorrana Drake, 268
 sodalatis Drake, 268
 solita Drake and Hambleton, 268
 tabida (Herrich-Schaeffer), 268
 tegetricula Monte, 269
 vagans Distant, 118
 venezolana Monte, 269
 vulgata Drake, 269
 williamsi Drake, 269
- LEPTODICTYA subg. HANUALA Kirkaldy, 260

LEPTOPHARSA Stål, 269

- adversa Drake and Hambleton, 343
 albella Drake, 270
 angustata (Champion), 270
 arta Drake and Poor, 270
 artocarpi Drake and Hambleton, 270
 atibaiae Drake and Ruhoff, 270
 avia Drake, 270
 ayyari Drake, 140
 bifasciata (Champion), 270
 bondari Drake and Poor, 271
 bradleyi (Drake), 271
 callangae Drake and Poor, 271
 calopa Drake, 271
 celebratis Drake, 424
 clitoriae (Heidemann), 271
 cognata Drake and Hambleton, 272
 constricta (Champion), 272
costofasciata (Drake), 271
cubana Drake, 327
 dampfi (Drake), 272
 dapsilis Drake and Hambleton, 272
 deca Drake and Hambleton, 272
 decens Drake and Hambleton, 272
 delicata Monte, 273
 difficilis Drake and Hambleton, 273
 digitalis Drake, 180
 dilaticollis (Champion), 273
 distans Drake, 273
 distinconis Drake, 273
 divisa (Champion), 273
 elachys Drake and Ruhoff, 274
 elata (Champion), 274
 elegans (Hacker), 274
 elegantula Stål, 274
 enodata Drake, 274
 faramaeae Drake and Hambleton, 274
 fici Drake and Hambleton, 275
 fimbriata (Champion), 275
 firma Drake and Hambleton, 275
 flava Monte, 275
 forsteroniae Drake and Hambleton, 275
 fortis Drake and Hambleton, 275
 furcata (Stål), 276
 furculata (Champion), 276
 fuscofasciata (Champion), 276
 gracilenta (Champion), 276

LEPTOPHARSA * Stål—Continued

- guatemalensis Drake and Poor, 276
 heidemanni (Osborn and Drake),
 277
 heveae Drake and Poor, 277
 hintoni Drake, 277
 hoffmani Drake, 277
 hyaloptera (Stål), 277
 ignota Drake and Hambleton, 278
 illudens Drake, 424
 immatura (Stål) [var.], 276
 inannana Drake, 278
 inaudita Drake and Hambleton, 278
 inflexa Drake and Hambleton, 343
 iridis Drake, 273
 jubaris Drake and Hambleton, 278
 laureata Drake and Hambleton, 278
 lautata Drake and Hambleton, 278
 lenitis Drake, 278
 lineata (Champion), 279
 livida Monte, 279
 longipennis (Champion), 279
 longula Drake, 425
 luxa Drake and Hambleton, 279
 machaerii Drake and Hambleton,
 279
 machalana Drake and Hambleton,
 279
 manihotae Drake, 425
 marginella (Stål), 280
 miconiae Drake and Hambleton, 280
 milleri Drake, 280
 mira Drake and Hambleton, 280
 modica Drake and Hambleton, 280
 myersi Drake, 202
 nota Drake and Hambleton, 281
 oblonga (Say), 281
 ocoteae Drake and Hambleton, 281
 ogloblini Drake, 281
 ornata Monte, 281
 oventis Drake and Hambleton, 282
 pacis Drake and Hambleton, 282
 pallens Monte, 282
 papella Drake, 282
 partita (Champion), 282
 patria Drake and Hambleton, 230
 paulana Drake, 282
 pauxilla Drake and Poor, 426
 pensa Drake and Hambleton, 282

LEPTOPHARSA Stål—Continued

- perbona Drake, 283
 peruensis Drake, 283
 posoqueriae Drake and Hambleton,
 283
 principis Drake and Hambleton, 283
 probala Drake and Hambleton, 283
 psychotriacae Drake and Hambleton,
 283
 pudens Drake and Hambleton, 284
 quadrata Drake, 284
 retrusa Drake and Hambleton, 284
 reuniona Drake, 284
 rudgeae Drake and Hambleton, 284
 rumiana Drake and Hambleton, 284
 ruris Drake, 285
 satipona Drake and Hambleton, 285
 scita Drake and Hambleton, 285
 sera Drake and Poor, 285
 setigera (Champion), 285
 siderea Drake and Hambleton, 285
 simulans (Stål), 285
 sobrina Monte, 286
 spectabilis Monte, 283
 tenuatis Drake, 286
 tenuis (Champion), 286
 unicarinata Champion, 286
 usingeri Drake, 286
 valida Drake and Hambleton, 286
 variantis Drake [var.], 425
 variegata Monte, 286
 velifer (McAtee), 287
 vicina Drake and Poor, 287
 vinnula Drake and Hambleton [var.],
 280
 vittipennis (Stål), 287
 walcotti Drake, 327
 zeteki Drake, 287

LEPTOSTYLA* Stål, 269

- angustata Champion, 270
 bifasciata Champion, 270
 carmelana Berg, 373
 clitoriae Heidemann, 271
 colubra Van Duzee, 246
 constricta Champion, 272
 costofasciata Drake, 271
 dilaticollis Champion, 273
 divisa Champion, 273

LEPTOSTYLA* Stål—Continued

- elata* Champion, 274
fimbriata Champion, 275
furcata Stål, 276
furculata Champion, 276
fuscofasciata Champion, 276
gibbifera Picado, 83
gracilentata Champion, 276
heidemanni Osborn and Drake, 277
hyaloptera Stål, 277
immatura Stål [var.], 276
lineata Champion, 279
longipennis Champion, 279
malpigheae Drake, 327
mcelfreshi Drake, 327
natalicola Distant, 345
partita Champion, 282
setigera Champion, 285
tenuis Champion, 286
tumida Champion, 327
velifer McAtee, 287
vesiculosa Champion, 328
vittipennis Stål, 287
- LEPTOTINGIS* Monte, 135
- umbrosa* Monte, 139
- LEPTOYPHA Stål, 287
- anceps* (Horváth), 287
barberi Drake and Ruhoff, 288
binotata Champion, 288
braziliensis Drake and Hambleton, 288
brevicornis Champion, 288
capitata (Jakovlev), 288
costata Parshley, 288
crispifolii (Takeya), 291
distinguenda Heidemann, 289
drakei McAtee, 289
elliptica McAtee, 289
hospita Drake and Poor, 289
ilicis Drake, 289
luzona Drake and Ruhoff, 289
mcateei Drake, 290
minor McAtee, 290
morrisoni Drake, 290
mutica (Say), 290
nubilis Drake, 290
tenuimarginata (Lindberg), 288
wuorentausi (Lindberg), 291

LEPTURGA Stål, 291

- dignata* Drake, 291
magnifica (Hacker), 292
major (Hacker), 292
nigritarsis Stål, 292
leroyi (Schouteden), Dictyla, 189
leroyi Schouteden, Plesionoma, 40
lethierryi Scott, Cantacader, 26
leucus Kiritschenko, Catoplatus, 116
levis Drake and Hambleton, Campylo-
 tingis, 109
lewisi Distant, Paracopium, 318
lewisi (Scott), Cochlochila, 120
libanotica Horváth, Campylosteira, 104
lichyi Monte, Plescobysra, 342
ligyra Drake, Stephanitis, 356
liliputiana (Signoret), Coleopterodes,
 122
lillianis Torre-Bueno, Acalypta, 48
limata Drake and Hambleton, Dicysta,
 199
limata Drake and Poor, Gargaphia, 226
limbata (Stål), Teleonemia, 377
lineata (Champion), Leptopharsa, 279
lineatum (Horváth), Agramma, 71
lineifera (Walker), Gargaphia, 228
- LITINGIS Drake, 292
- affinata* Drake and Hambleton, 292
aspidospermae Drake and Hamble-
 ton, 292
evidens Drake, 292
immaculata (Drake and Hamble-
 ton), 293
- lita* Drake, Cystochila, 170
- LITADEA China, 42
- delicatula* China, 42
- LITADEINI Drake and Ruhoff, 17, 42
- litigiosa* Monte, Leptodictya, 265
liturata (Fieber), Tingis, 412
livida Monte, Leptopharsa, 279
lobeculata (Drake) (*see* *labeculata*)
lobulifera Reuter, Monosteira, 298
lonchocarpa (Drake and Hambleton),
 Vatica, 425
longicornis Champion, Teleonemia, 377
longipennis (Champion), Leptopharsa,
 279
longipennis (Jakovlev), Tingis, 403
longula (Drake), Vatica, 425

- longulum Drake, Paracopium, 318
 longulus Drake, Abdastartus, 43
 longum (Drake), Agramma, 71
 longurium Drake, Agramma, 72
 loricata (Distant), Dictyla, 189
 lowryi Drake, Corythucha, 153
 lucida Drake and Hambleton, Leptodictya, 265
lucida (Walker), Corythucha, 149
 luctuosa (Stål), Teleonemia, 377
 luculenta Drake, Leptodictya, 265
 lueboensis Schouteden, Cysteocheila, 170
 lugens Horváth, Derephysia, 432
 lugubris Fieber, Dictyonota, 437
 LULLIUS Distant, 293
 insolens Drake, 293
 major Distant, 293
 minor Distant, 72
 spinfemur Drake, 293
 lunulata (Mayr), Gargaphia, 227
 lupakense (Schouteden), Paracopium, 318
 lupata (Drake and Poor), Dictyla, 190
 lupuli (Herrich-Schaeffer), Dictyla, 190
lupuli (Kunze) (*see* *lupuli* (Herrich-Schaeffer))
lurida (Garbiglietti), Dictyonota, 438
lurida (Stål), Melanorhopala, 297
lusitanicum de Seabra, Copium, 132
 lustrabilis Drake, Teleonemia, 378
 lutzi Drake, Teleonemia, 378
 luxa Drake and Hambleton, Leptopharsa, 279
 luzona Drake and Maa, Cysteocheila, 170
 luzona Drake and Ruhoff, Leptoypa, 289
 luzonana Drake, Stephanitis, 357
 luzonana Drake, Xenotingis, 427
 luzonana Drake, Ypsotingis, 443
 macaona Drake, Stephanitis, 367
 machadoi Drake, Angolusa, 90
 machaerii Drake and Hambleton, Campylotingis, 110
 machaerii Drake and Hambleton, Corycera, 134
 machaerii Drake and Hambleton, Leptopharsa, 279
 machalana Drake, Amblystira, 80
 machalana Drake and Hambleton, Leptopharsa, 279
 MACROCORYTHA Stål, 293
 rhomboptera (Fieber), 294
macrophthalma (Fieber), Acalypta, 49
macroptera (Ferrari) [var.], Acalypta, 53
 MACROTINGIS Champion, 294
 biseriata Champion, 294
 novicis Drake [var.], 294
 uniseriata Champion, 294
 zeteki Drake, 294
maculata (Herrich-Schaeffer), Tingis, 416
 maculata Monte, Phatnoma, 37
 maculata Monte, Sphaerocysta, 352
 maculata Van Duzee, Amblystira, 80
maculata Van Duzee, Corythucha, 156
 maculatum Thunberg, Copium, 445
maculatus Drake, Urentius, 423
 maculatus (Herrich-Schaeffer), Galeatus, 217
maculigera (Horváth), Kapiriella, 251
 maculosa Horváth, Nethersia, 305
 madagascariensis Schouteden, Gitava, 235
 madelinae Drake, Leptodictya, 265
madelinae Torre-Bueno, Acalypta, 55
 maderensis (Reuter) [var.], Tingis, 396
 madra Drake and Hambleton, Leptodictya, 265
 MAECENAS* Kirkaldy, 353
 MAFA Hesse, 294
 lanceolata Hesse, 295
magna (Gibson), Corythaica, 139
magna Gibson, Gargaphia, 228
 magnicorne (Rey), Copium, 131
 magnifica (Drake), Phymacysta, 326
 magnifica (Hacker), Lepturga, 292
 magnificus (Drake), Teratocader, 30
 major Distant, Lullius, 293
major (Ferrari) [var.], Acalypta, 53
 major (Hacker), Lepturga, 292
 major Osborn and Drake, Physatocheila, 335
 major Puton, Galeatus, 218
 malaccae (Drake), Ulonemia, 421
 malaisaei Drake and Ruhoff, Cysteocheila, 170
 MALALA Distant, 34
 bulliens Distant, 34

- MALANDIOLA Horváth, 295
 acares Drake and Ruhoff, 295
 minys Drake and Ruhoff, 295
 semota Drake, 295
 similis Hacker, 295
 simplex Horváth, 295
 syscena Drake and Ruhoff, 296
 malayana Drake, Cysteocheila, 171
 malayanus (Drake), Bako, 98
 mali (Gibson), Corythucha, 142
 malkini Drake, Xenotingis, 427
 malloti Drake and Poor, Trachypeplus,
 418
 malpigheae (Drake), Phymacysta, 327
 mamorensis Bergevin, Catoplatus, 116
 manihotae (Drake), Vatica, 425
 manni Drake and Davis, Thaumaman-
 nia, 18, 444
 manni Drake and Hurd, Gargaphia, 227
 marginata (Burmeister) [misident.], Dic-
 tyonota, 438
 marginata (Distant), Physatocheila, 335
 marginata Drake, Amblystira, 81
 marginata Drake and Maa [ssp.], Step-
 hanitis, 354
 marginata (Lamarck), Stephanitis, 359
 marginata (Wolff), Acalypta, 49
 marginella (Stål), Leptopharsa, 280
 marmorata Champion, Phatnoma, 37
 marmorata (Uhler), Corythucha, 153
 marmorata von Baerensprung, Dictyo-
 nota, 434
 maroccana Horváth (see moroccana)
 maroccana Ribaut, Dictyonota, 437
 maroccanus Lindberg, Galeatus, 218
 marqueti Puton, Dictyonota, 440
 marrubii Vallot, Tingis, 413
 maseruanus (Drake), Ammianus, 87
 matsumurae Horváth, Stephanitis, 357
 MAYNEA, 445
 maynei Schouteden, 445
 maynei (Schouteden), Agramma, 72
 maynei Schouteden, Cysteocheila, 171
 maynei (Schouteden), Kapiriella, 251
 maynei Schouteden, Maynea, 445
 maynei Schouteden, Phatnoma, 37
 maynei (Schouteden), Naitingis, 301
 mayri (Haglund), Ammianus, 88
 mcateei Drake, Leptoypa, 290
 mcatella Drake (see mcateei)
 mclcfreshi Drake, Corythucha, 154
 mclcfreshi (Drake), Phymacysta, 327
 MECOPHARSA Drake, 296
 hackeri Drake, 296
 secta Drake, 296
 MEGALOCYSTA Champion, 296
 championi Drake, 83
 cornuta Monte, 83
 pellucida Champion, 296
 melanesica Kirkaldy, Holophygdon, 243
 melanocephala (Fieber) [misident.], Cato-
 platus, 116
 melanocephala (Panzer), Catoplatus, 112
 MELANORHOPALA Stål, 296
 balli Drake, 297
 clavata (Stål), 297
 duryi Osborn and Drake, 242
 henshawi (Ashmead), 297
 infuscata Parshley, 298
 lurida (Stål), 297
 obscura Parshley, 297
 reflexa Blatchley, 297
 uniformis (Stål), 297
 melanoscele (Horváth), Agramma, 72
 melanosoma Monte, Amblystira, 81
 mendax (Horváth) [var.], Agramma, 65
 mendica Horváth, Stephanitis, 367
 mendocina Pennington, Leptobyrssa, 258
 MENODORA Horváth [subg.], 365
 mera Drake, Acalypta, 44
 mera Drake and Hambleton, Teleo-
 nemia, 378
 merga Drake, Placotingis, 339
 merita Drake, Lasiacantha, 256
 METATROPIS, 445
 aurita Breddin, 445
 mexicana Drake, Gargaphia, 227
 mexicana Drake, Ocdotingis, 308
 mexicana Gibson, Corythucha, 155
 miconiae Drake and Hambleton, Lepto-
 pharsa, 280
 milleri Drake, Leptopharsa, 280
 mimeticus Heidemann, Athcas, 93
 MINTINGIS* Barber, 41
 minusculus Barber, 41
 minor (Distant), Agramma, 72
 minor (Ferrari) [var.], Acalypta, 53
 minor McAtce, Leptoypa, 290

- minor* McAtee [misident.], Leptoypha, 288
minor Osborn and Drake, Alveotingis, 79
minor Schouteden, Eteoneus, 212
minuscula (Barber), Zetekella, 41
minutissima Drake [var.], Corythucha, 154
minutissimus China, Anommatocoris, 18, 444
minutula Montandon, Monosteira, 299
minutulus (Goeze), Tingis, 394
minutum Horváth, Agramma, 72
minys Drake and Ruhoff, Malandiola, 295
mira Drake and Hambleton, Leptopharsa, 280
mira (Drake and Poor), Hurdchila, 244
mirabilis Drake, Atheas, 93
mirabilis Monte, Gargaphia, 227
miridita Horváth [var.], Campylosteira, 105
miscella (Horváth) [var.], Tingis, 412
mississippiensis Drake [var.], Corythucha, 144
mississippiensis Drake, Hesperotingis, 243
mitoris Drake and Hsiung, Dictyonota, 435
mitrata (Distant), Cochlochila, 119
mitrata (Stål), Stephanitis, 357
mjobergi (Horváth), Ulonemia, 421
mniophila Drake and Ruhoff, Acalypta, 50
moalae Drake, Aulotingis, 94
modesta Parshley, Acalypta, 48
modestum Schouteden, Paracopium, 318
modica Drake and Hambleton, Leptopharsa, 280
modosa Drake, Tingis, 397
MOKANNA* Distant, 353
 princeps Distant, 359
mokuensis Schouteden, Cysteochila, 171
molinae Drake, Teleonemia, 378
mollicula (Drake), Campylotingis, 110
mollicula Osborn and Drake, Corythucha, 154
mollinediae (Drake and Hambleton), Pliobyrsa, 344
mollis Drake and Bondar, Campylotingis, 110
monacha (Stål), Corythaica, 138
monacha Stål [misident.], Corythaica, 137
MONANTHIA* auct., 180
MONANTHIA* Le Peletier and Serville, 128
 abyssinica Drake, 181
 acuminata Herrich-Schaeffer, 45
 ainsliei Drake and Poor, 181
 ajugarum Frey-Gessner, 405
 albida Herrich-Schaeffer [var.], 113
 aliena Fieber, 299
 amitina Horváth, 181
 ampliata Herrich-Schaeffer, 391
 angustata Herrich-Schaeffer, 391
 angusticollis Herrich-Schaeffer, 414
 angustipennis Jakovlev, 414
 antennalis Puton [var.], 415
 antica Reuter, 111
 approximata Stål, 260
 armigera Stål, 56
 atra Motschulsky, 43
 aurigana Drake, 181
 balassogloi Jakovlev, 406
 balli Drake, 182
 berryi Drake, 182
 brachycera Fieber, 392
 bugioensis China [ssp.], 189
 bullita Stål, 119
 burgeoni Schouteden, 182
 capitata Jakovlev, 288
 caucasica Jakovlev, 410
 cheriani Drake, 182
 ciliaris Puton, 406
 ciliata Fieber, 407
 c-nigrum Champion, 183
 cognata Fieber [var.], 396
 collarti Schouteden, 183
 coloradensis Drake, 183
 comes Drake, 183
 conchata Matsumura, 120
 corniculata Jakovlev, 406
 crassipes Fieber, 113
 cucullifera Puton, 255
 cyatharina Butler, 138
 dentata Fieber, 99
 dilatata Jakovlev, 114

MONANTHIA* Le Peletier and Serville—

Continued

- discoidalis* Jakovlev, 298
discoris Drake [ssp.], 182
distans Jakovlev, 203
distinguenda Jakovlev, 332
dohrni Stål, 262
dumetorum Herrich-Schaeffer, 332
echinopsis Fieber, 204
egena Puton [var.], 204
ehrethiae Gibson, 186
elongata Fieber, 398
erosa Fieber, 86
evidens Drake, 186
fasciata Fieber, 334
femoralis Stål, 186
feberi Puton, 392
feberi Scott, 168
figurata Drake, 187
flavipes Horváth, 116
flavipes Signoret, 187
flexuosa Novák [fossil], 192
flexuosa Stål, 224
formosa Drake, 186
formosa Stål, 225
fracta Herrich-Schaeffer, 45
fulvescens Kiritshenko, 187
fulvicornis Jakovlev, 115
fuscocincta Stål, 264
geniculata Fieber, 410
gerardi Schouteden, 187
gibba Fieber, 334
gibbifera Walker, 346
griseola Puton, 411
haitiensis Drake and Poor, 187
hellenica Puton, 406
helvina Jakovlev, 412
histicula Puton, 256
horvathi Puton, 116
imparis Drake, 188
inflata Drake and Poor [var.], 196
intermedia Flor, 53
invaria Walker, 163
kiesenwetteri Mulsant and Rey, 413
kivuensis Schouteden, 302
krueperi Reuter, 114
labeculata Uhler, 189
lanceolata Walker, 385

MONANTHIA* Le Peletier and Serville—

Continued

- lanigera* Puton, 400
lepida Stål, 265
leporis Drake, 189
leroyi Schouteden, 189
lineifera Walker, 228
litrata Fieber, 412
longipennis Jakovlev, 402
loricata Distant, 189
lucida Walker, 149
lunulata Mayr, 227
lupata Drake and Poor, 190
lupuli Herrich-Schaeffer, 190
lurida Garbiglietti, 438
maculata Herrich-Schaeffer, 416
maderensis Reuter [var.], 396
marginella Stål, 280
mitrata Distant, 119
monotropidia Stål, 190
monstrosa Scott, 171
montandoni Horváth, 191
monticollis Walker, 321
munda Stål, 228
nassata Puton, 192
necopina Drake, 393
nigricans Hoberlandt [var.], 186
nigriceps Signoret, 172
nigripes Motschulsky, 112
nigristernum Horváth, 125
nilgiriensis Distant, 121
nodipennis Horváth, 192
oblonga Garbiglietti, 114
obscura Herrich-Schaeffer, 52
ochropa Stål, 260
olivieri Puton, 117
ovatula Jakovlev, 407
pallida Garbiglietti, 399
pallipes Stål, 81
parilis Drake, 193
parmata Distant, 193
parvula Signoret, 326
patquiana Drake, 193
patricia Stål, 230
pauperata Puton, 414
picturata Distant, 193
piligera Garbiglietti, 255

- MONANTHIA* Le Peletier and Serville—
Continued
platyoma Fieber, 194
pongana Drake, 194
pucallpana Drake and Hambleton,
 194
pulla Horváth [var.], 195
pusilla Jakovlev, 416
putoni Montandon, 194
ragusana Fieber, 407
rasilis Drake and Maa, 195
reticulata Rambur, 192
rivalis Horváth [var.], 190
rotundicollis Jakovlev, 402
ruandae Schouteden, 195
rufina Seidenstücker [var.], 186
ruficeps Horváth, 195
sahlbergi Horváth, 195
satanas Schouteden [var.], 182
sauteri Drake, 196
scapularis Fieber, 309
schaefferi Fieber, 113
senta Drake and Hambleton, 83
seorsa Drake and Poor, 196
sensoris Drake and Poor, 196
setulosa Fieber, 253
similis Douglas and Scott, 402
simulans Stål, 285
sinuata Fieber, 392
sinuaticollis Jakovlev, 402
sjostedti Horváth, 196
sordida Stål, 174
spinuligera Stål, 56
stachydis Fieber, 416
strictula Puton, 403
subdola Horváth, 197
subovata Motschulsky, 27
sufflata Drake and Poor, 302
sympathica Horváth [var.], 392
tabida Herrich-Schaeffer, 268
taurica Jakovlev, 392
tenuicornis Jakovlev, 415
tingoides Motschulsky, 175
trichonota Puton, 408
tricolor Mayr, 385
triconula Seidenstücker, 197
tuberosa Horváth, 197
uichancoi Drake and Poor, 197
unicolor Garbiglietti, 393
- MONANTHIA* Le Peletier and Serville—
Continued
unicostata Mulsant and Rey, 299
valida Puton, 417
vesiculata Stål, 311
vesiculifera Fieber, 188
veterna Scudder [fossil], 197
villosa Costa, 413
vulcanorum Schouteden, 197
wolffii Fieber, 185
wollastoni Heer [fossil], 310
zavattarii Mancini, 192
monile Van Duzee, Teleonemia, 378
- MONOSTEIRA Costa, 298
aliena (Fieber), 299
buccata Horváth [var.], 300
cleopatra Horváth, 325
discoidalis (Jakovlev), 298
inermis Horváth, 298
lobulifera Reuter, 298
minutula Montandon, 299
unicostata (Mulsant and Rey), 299
Monostira auct. (see *Monosteira*)
monotropidia (Stål), Dictyla, 190
monstrosa (Scott), Cysteochila, 171
monstrosa (Takeya) [misident.], Cysteochila, 168
montana Hoberlandt, Acalypta, 50
montana Lindberg, Tingis, 395, 403
montandoni Distant, Compseuta, 124
montandoni (Horváth), Dictyla, 190
- MONTEA* Bruner, 31
bouclei Bruner, 32
montei Drake and Hambleton, Planibyrsa, 339
monticola Horváth, Habrochila, 238
monticollis (Walker), Penottus, 321
monticula Drake, Dictyotingis, 442
montivaga Drake, Corythucha, 155
montivaga Drake, Teleonemia, 378
morio (Stål), Teleonemia, 378
moroccana Puton, Campylosteira, 104
morrilli Osborn and Drake, Corythucha,
 12, 155
morrisoni Drake, Amblystira, 81
morrisoni Drake, Leptoyppha, 290
motoensis Schouteden, Compseuta, 125
motoensis (Schouteden), Elasmotropis,
 203

- muelleri* (Wagner) [var.], *Agramma*, 72
muiri (Drake), *Aphelotingis*, 91
muiri Drake, *Tingis*, 414
muiri Drake and Poor, *Nesocypselas*, 304
muiri Drake and Poor, *Orotingis*, 312
multimaculata Monte, *Teleonemia*, 379
multiseriatus (Reuter), *Hyalochiton*, 246
multispinosa Hacker, *Inoma*, 249
muluana Drake, *Physatocheila*, 335
MUMMIUS Horváth, 300
 bicorniger Horváth, 300
 denigratus Drake, 300
munda Drake, *Cysteocheila*, 171
munda (Stål), *Gargaphia*, 228
municeps Horváth, *Physatocheila*, 336
muri (Drake) (*see muiri*)
muri Drake and Poor (*see muiri*)
musci (Schrank), *Acalypta*, 50
musci Stål [misident.], *Acalypta*, 50
mussiva Drake, *Inonemia*, 249
mussolinii (Mancini), *Ammianus*, 88
mutica (Say), *Leptoypa*, 290
mutica Uhler [misident.], *Leptoypa*, 289
myersi (Drake), *Dyspharsa*, 202
MYRMECOTINGIS* Hacker, 253
 leai Hacker, 256
myrocarpi Drake and Poor, *Acysta*, 61

nairobia Drake, *Sinuessa*, 349
NAITINGIS Drake and Ruhoff, 300
 biseriata (Schouteden) [var.], 301
 blukwana (Drake), 301
 maynei (Schouteden), 301
 nyanzae (Schouteden), 301
naivashae Drake, *Cochlochila*, 121
nanus (Schumacher), *Urentius*, 423
NAOCHILA Drake, 301
 arete Drake and Mohanasundaram,
 301
 boxiana (Drake), 301
 bukobana (Drake), 302
 bullana (Drake), 302
 kivuensis (Schouteden), 302
 natalana (Drake), 302
 parvella (Drake), 302
 sufflata (Drake and Poor), 302
 turgida Drake, 303
nashi Easki and Takeya, *Stephanitis*, 357
nassata (Puton), *Dictyla*, 192

natalana Drake, *Habrochila*, 238
natalana Drake, *Kapiriella*, 251
natalana (Drake), *Naochila*, 302
natalensis (Kirkaldy) [misident.], *Cysteo-*
 chila, 176
natalensis (Stål), *Cysteocheila*, 171
natalicola (Distant), *Pogonostyla*, 345
nativa Drake, *Cysteocheila*, 172
nebulosum (Distant), *Gonycentrum*, 33
neocopina (Drake), *Tingis*, 393
neocopinata Drake, *Alloiothucha*, 78
nectandrae Drake and Hambleton,
 Acysta, 61
NECTOCADER Drake, 29
 gounellei (Drake), 29
neivai Drake and Hambleton, *Acysta*, 61
neivai Drake and Poor, *Gargaphia*, 228
nema Drake and Hambleton, *Lepto-*
 dictya, 266
NEOPACHYCYSTA* Hacker, 102
 subopaca Hacker, 102
NEOTINGIS Drake, 303
 hollandi Drake, 303
neotropicalis Monte, *Tingis*, 401
nepalensis (Distant), *Diconocoris*, 180
nervosana Drake, *Cysteocheila*, 172
nesiotes Drake and Ruhoff, *Allocader*, 23
NESOCYPSELAS Kirkaldy, 303
 aemulus Drake [ssp.], 304
 bellatula Drake, 303
 dicysta Kirkaldy, 303
 evansi Drake, 303
 inannana Drake, 304
 muiri Drake and Poor, 304
 piperica Drake, 304
 simulis Drake and Poor, 304
 vicinalis Drake and Poor, 304
NESOCYSTA Kirkaldy, 304
 rugata Kirkaldy, 304
NESOTINGIS Drake, 305
 pauliani Drake, 305
 vinsoni (Drake and Mamet), 305
NETHERSIA Horváth, 305
 absimilis Drake, 305
 haplotes Drake and Ruhoff, 305
 koebeli Drake, 209
 maculosa Horváth, 305
 nigritarsis (Horváth), 306
 nostratis Drake, 209

- NETHERSIA Horváth—Continued
 poorae Drake, 306
 pugna Drake, 305
 setosa (Hacker), 306
nevadensis Gomez-Menor, Dictyonota, 440
nexa (Distant), Baeochila, 96
nexa Drake, Acanthocheila, 58
nexile (Drake), Agramma, 73
nexilis Drake, Nyctotingis, 306
nexilis Drake and Hambleton, Gargaphia, 228
nexus Drake and Ruhoff, Ildefonsus, 249
nicholi Drake, Corythucha, 155
nicholi Drake, Leptodictya, 266
nigerrima (Schouteden), Perissonemia, 324
nigra Hacker [var.], Oncophysa, 311
nigra Monte, Leptodictya, 266
nigrans Drake [var.], Parada, 320
nigrantis Drake (*see nigrans*)
nigrellum Drake, Agramma, 73
nigrescens Drake and Bendar, Acanthocheila, 58
nigrescens Monte [misident.], Acanthocheila, 57
nigricans (Hoberlandt) [var.], Dictyla, 186
nigriceps (Champion), Pleseobyrsa, 342
nigriceps Horváth, Catoplatus, 116
nigriceps (Signoret), Cysteocheila, 172
nigriceps (Signoret), Epimixia, 207
nigricornis Champion, Atheas, 93
nigricornis (Laporte), Copium, 129
nigricornis (Van Duzee) [misident.], Vatiga, 424
nigricosta Horváth, Derephysia, 432
nigrina Champion, Teleonemia, 379
nigrina (Fallén), Acalypta, 51
nigrina (Vollenhoven) [misident.], Acalypta, 53
nigrinervis Stål, Acalypta, 52
nigrinervis Stål, Gargaphia, 228
nigripes Horváth, Epimixia, 207
nigripes (Motschulsky), Catoplatus, 112
nigristernum (Horváth), Compseuta, 125
nigritarsis (Horváth), Nethersia, 306
nigritarsis Monte, Leptobyrsa, 258
nigritarsis Stål, Lepturga, 292
nigrolineatus Distant, Dulinius, 201
nigrosis Drake and Hambleton, Leptodictya, 266
nigrum Fieber, Agramma, 73
nilgiriensis (Distant), Cochlocheila, 121
nimbana Drake, Aglotingis, 63
nimius (Drake), Penottus, 321
nitens (Drake and Poor), Cysteocheila, 172
nitentis (Drake and Poor) (*see nitens*)
nitidula (Stål), Celantia, 117
nitor Drake, Stephanitis, 367
nitor Drake and Hambleton, Ulotingis, 422
nitoris Drake (*see nitor*)
nitoris Drake and Hambleton (*see nitor*)
 NOBARNUS Distant, 306
 hoffmani Drake, 401
 signatus (Distant), 306
 typicus Distant, 306
nobilis Drake and Bondar, Corythucha, 156
nobilis (Guérin-Méneville), Eurypharsa, 214
nocens Drake and Hambleton, Corythucha, 156
nocentis Drake and Hambleton (*see nocens*)
nociva Drake and Hambleton, Gargaphia, 229
nocturnis Hacker, Cantacader, 26
nodipennis (Horváth), Dictyla, 192
 NORBA Horváth [subg.], 366
nosella Drake and Hambleton, Sphaerocysta, 352
nostratis (Drake), Eritingis, 209
nota Drake and Hambleton, Leptodictya, 266
nota Drake and Hambleton, Leptopharsa, 281
notabilis Drake, Tigava, 389
notata Champion, Teleonemia, 379
notialis Drake, Compseuta, 125
notialis Drake, Leptocysta, 259
novaki Drake and Ruhoff [fossil], Dictyla, 192
novatis Drake, Leptocysta, 259
novicia Drake, Teleonemia, 380
novicis Drake [var.], Macrotingis, 294

- nubila* (Drake), *Penottus*, 321
nubilis Drake, *Leptoypa*, 290
nubilis Horváth [var.], *Cantacader*, 27
nyanzae (Schouteden), *Naitingis*, 301
nyctalis Drake, *Acalypta*, 52
nyctalis Drake, *Amblystira*, 81
NYCTOTINGIS Drake, 306
 nexilis Drake, 306
 osborni Drake, 307
nyogana Drake, *Tingis*, 401
- oberti* (Kolenati), *Stephanitis*, 358
oberti Lindinger [misident.], *Stephanitis*, 361
obesus (Distant), *Angiocader*, 30
objicis Drake, *Physatocheila*, 336
obliqua Osborn and Drake, *Corythucha*, 156
obliqua Stål, *Gargaphia*, 229
oblonga (Garbiglietti), *Catoplatus*, 114
oblonga (Say), *Leptopharsa*, 281
obscura Heer [fossil], *Tingis*, 401
obscura (Herrich-Schaeffer), *Acalypta*, 52
obscura Parshley, *Melanorhopala*, 297
obscura (Schouteden) [var.], *Ammianus*, 88
obscura Van Duzee, *Corythaica*, 139
obscurus (Schumacher) [var.], *Ammianus*, 86
ocasa Drake, *Perissonemia*, 324
occidentalis Drake, *Corythucha*, 147
occidentalis Drake, *Hesperotingis*, 243
oceanae Drake and Poor, *Cottothucha*, 162
ochracea Champion, *Teleonemia*, 380
ochropa (Stål), *Leptodictya*, 260
ocoteae Drake and Hambleton, *Acysta*, 61
ocoteae Drake and Hambleton, *Leptopharsa*, 281
OCTACYSTA Drake and Ruhoff, 307
 echii (Fabricius), 307
 rotundata (Herrich-Schaeffer), 307
odontostoma (Stål), *Lasiacantha*, 257
OEDOTINGIS Drake, 308
 mexicana Drake, 308
 williamsi (Drake), 308
ogloblini Drake, *Leptopharsa*, 281
ogloblini Drake and Poor, *Baeotingis*, 96
- OGYGOTINGIS* Drake, 308
 insularis (China), 308
oios Drake and Ruhoff, *Haedus*, 239
OLASTRIDA Schouteden, 308
 oleae Schouteden, 308
oleae Schouteden, *Olastrida*, 308
olivaccus Distant, *Urentius*, 423
oliveirae Drake and Hambleton, *Tingis*, 414
olivieri (Puton), *Catoplatus*, 117
olivina Horváth (*see* *olivinia*)
olivinia Froggatt, *Froggattia*, 215
olyrae Drake, *Leptodictya*, 266
olyrae Drake and Hambleton, *Stephanitis*, 358
omani Drake, *Corythucha*, 156
OMOPLAX Horváth [subg.], 368
onar Drake, *Agramma*, 73
ONCOCHILA Stål, 309
 scapularis (Fieber), 309
 simplex (Herrich-Schaeffer), 309
 wollastoni (Heer) [fossil], 310
ONCOPHYSA Stål, 310
 constantis Drake, 166
 gracilis Hacker [var.], 311
 leai Drake, 310
 nigra Hacker [var.], 311
 nitentis Drake and Poor, 172
 rufescens Hacker, 310
 vesiculata (Stål), 311
onerosa Drake and Poor, *Perissonemia*, 324
ONYMOCHELLA Drake, 311
 dichapetali (Horváth), 6, 311
opaca Champion, *Amblystira*, 81
opacula Uhler, *Gargaphia*, 229
opima Drake, *Gargaphia*, 229
opiparus (Drake), *Penottus*, 322
OPISTHOCHASIS, 445
 albicostata Berg, 445
ORANOMA Drake, 34
 biroi Drake, 34
oreades Drake, *Gargaphia*, 230
oregona Drake and Hurd, *Gargaphia*, 230
oresbius Drake and Ruhoff, *Penottus*, 322
orestes Drake and Ruhoff, *Furcilliger*, 216

- orientalis Horváth, *Campylostcira*, 104
 orientis Drake, *Physatocheila*, 336
 ornata Monte, *Leptopharsa*, 281
 ornata Van Duzee [var.], *Physatocheila*,
 338
 ornatella (Stål), *Compseuta*, 125
 ornatipes Drake and Hambleton, *Atheas*,
 94
 OROTINGIS Drake and Poor, 311
 eueides Drake, 312
 muiri Drake and Poor, 312
 orta Drake and Maa, *Cystoechila*, 172
 ORTHOSTEIRA* Fieber, 44
 acutangula Jakovlev, 44
 acutispinis Reuter, 49
 biseriata Thomson, 47
 cinerea Fieber, 51
 concinna Douglas and Scott, 44
 cylindricornis Thomson, 49
 ditata Puton [var.], 50
 elinoides Jakovlev, 47
 finitima Puton, 47
 gracilis Fieber, 47
 macrophthalma Fieber, 49
 macroptera Ferrari [var.], 53
 major Ferrari [var.], 53
 minor Ferrari [var.], 53
 pallescens Ferrari [var.], 53
 paradoxa Jakovlev, 350
 platycheila Fieber, 53
 propinqua Ferrari, 47
 reticosta Thomson, 47
 samara Puton, 54
 sordida Jakovlev, 55
 subtilis Reuter, 55
 suturalis Puton, 55
 uniseriata Puton, 56
Orthostira auct. (*see Orthosteira*)
 osborni Drake, *Nyctotingis*, 307
 oschanini Vasiliev, *Stephanitis*, 360
 oscitans Drake and Maa, *Cystoechila*,
 172
oscitantis Drake and Maa (*see oscitans*)
 otaviana Drake, *Cystoechila*, 172
 otiosus Drake, *Haedus*, 239
 otiosus Drake, *Hegesidemus*, 241
 OTTOICUS Drake, 312
 dissitus Drake, 312
 outouana Drake and Maa, *Stephanitis*,
 368
 ovalis Distant, *Axiokersos*, 95
 ovantis Drake and Hambleton, *Lepto-*
parsa, 282
 ovata Champion, *Phatnoma*, 38
ovata Osborn and Drake, *Acalypta*, 48
ovata (Osborn and Drake), *Acalypta*, 46
ovatula (Jakovlev), *Tingis*, 407
oxyacanthae (Curtis), *Physatocheila*, 332
 PACHYCYSTA Champion, 312
 adolpha Drake, 312
 championi Drake, 312
 diaphana Champion, 313
 hambletoni Drake and Poor, 313
 schildi Drake, 313
pacifica Drake, *Corythucha*, 160
pacifica Drake and Poor [misident.],
Phatnoma, 38
pacifica Hacker [misident.], *Phatnoma*, 36
pacifica (Kirkaldy), *Eritingis*, 209, 210
pacifica Kirkaldy, *Phatnoma*, 38
pacis Drake and Hambleton, *Lepto-*
parsa, 282
padi Drake, *Corythucha*, 156
pagana Drake and Maa, *Stephanitis*, 368
paganus Drake, *Atheas*, 94
pagnana Drake, *Perissonemia*, 324
pakistanana Drake and Maldonado, *Dic-*
tyonota, 435
 PALAUELLA Drake, 313
 gressitti Drake, 313
palawanus Drake and Maa, *Cromerus*,
 163
paleipes Barber (*see pallipes*)
pallens Dobšik [var.], *Catoplatus*, 116
pallens (Horváth) [var.], *Agramma*, 65
pallens Horváth, *Cystoechila*, 173
pallens Monte, *Leptopharsa*, 282
pallens Schouteden [ssp.], *Gitava*, 236
pallens Schouteden, *Haedus*, 240
pallescens (Ferrari) [var.], *Acalypta*, 53
pallida (Garbiglietti), *Tingis*, 399
pallida (Kirby), *Diconocoris*, 179
pallida Osborn and Drake, *Corythucha*,
 157
pallidulum (Schouteden), *Agramma*, 74

- pallidus* (Barber), Vatiga, 425
pallipes Parshley, Corythucha, 157
pallipes (Stål), Amblystira, 81
palmaris Drake, Corythucha, 158
panamensis Champion, Gargaphia, 230
panamensis Drake and Poor, Corycera,
 134
papella Drake, Leptopharsa, 282
papuana Drake, Diplocysta, 200
papuana Drake, Xenotingis, 427
par Drake, Placotingis, 339
 PARACOPIMUM Distant, 313
africum Drake, 313
albofasciatum Hacker, 314
anceps Horváth, 287
antennatum (Schouteden), 314
assimile Horváth, 314
australicum (Stål), 314
bequaerti (Schouteden), 314
burgeoni (Schouteden), 314
caledonicum Drake, 315
cingalense (Walker), 315
coloratum Schouteden, 315
comatum Drake, 315
congruum Drake, 315
dauphnicum Drake, 315
fenestellatum (Bergroth), 315
floricolum (Horváth), 316
fraterculum Schouteden, 316
furvum (Horváth), 316
ghesquierei (Schouteden), 316
gigantos Drake, 316
glabricorne (Montandon), 316
hamadryas (Drake), 317
hirtutum Drake, 317
hirticorne (Bergroth), 317
insigne Schouteden, 317
kollari (Fieber), 317
lewisi Distant, 318
longulum Drake, 318
lupakense (Schouteden), 318
modestum Schouteden, 318
parvum Drake, 318
philippinense Drake, 318
proprium Drake, 318
sauteri Drake, 319
stolidum (Horváth), 319
summervillei (Hacker), 319
- PARADA Horváth, 319
absona Drake, 319
darlingtoni Drake, 319
hackeri Drake, 320
nigrans Drake [var.], 320
popla Drake, 320
pulla Drake [var.], 320
solla Drake and Ruhoff, 320
taeniophora (Horváth), 320
torta Drake, 320
paradoxa (Jakovlev), Sphaerista, 350
paraguayana Drake, Telconemia, 380
paraguayensis Drake and Poor, Gargaphia, 230
parallela Drake (see *parvella*)
parallela (Puton) [misident.], Tingis, 398
parallelus (Costa), Tingis, 392
parana Drake and Hambleton, Pleseobyrsa, 343
parana Drake and Hambleton, Stephanitis, 359
paranana Drake, Tingis, 406
 PARASERENTHIA* Wagner, 64
parilis (Drake), Dictyla, 193
parilis Drake, Dicysta, 199
parilis Drake and Hambleton, Leptodictya, 267
paris Drake, Sphaerocysta, 352
parmata (Distant), Dictyla, 193
parshleyi Gibson, Corythucha, 153
parshleyi Osborn and Drake, Physatocheila, 336, 338
partita (Champion), Leptopharsa, 282
parvella (Drake), Naochila, 302
parvula (Fallén), Acalypta, 52
parvula Ferrari, Campylosteira, 105
parvula (Flor) [misident.], Acalypta, 47
parvula (Signoret), Phaenotropis, 326
parvum Drake, Paracopium, 318
 PASEALA Schouteden, 321
arnoldi Schouteden, 321
paspalii Drake and Hambleton, Leptodictya, 267
passiflorae (Berg), Corythaica, 137
patagonica Drake, Telconemia, 380
patquiana (Drake), Dictyla, 193
patria (Drake and Hambleton), Gargaphia, 230

- patricia* (Stål), Gargaphia, 230
paula Drake, Gargaphia, 231
paulana Drake, Leptopharsa, 267
paulana Drake and Hambleton, Leptodictya, 282
pauliani Drake, Hegesidemus, 241
pauliani Drake, Nesotingis, 305
pauliani Drake, Renaudea, 348
pauperata (Puton), Tingis, 414
pauzilla (Drake and Poor), Vatica, 426
peckhami (Ashmead), Galeatus, 14, 220
pediades Drake, Platytingis, 340
peirosa Drake and Ruhoff, Zeiratingis, 428
pellucida Champion, Megalocysta, 296
pellucida Drake and Hambleton, Corythucha, 158
peltogyne Drake and Hambleton, Amblystira, 82
penningtoni Drake, Gargaphia, 231
PERNOTTUS Distant, 321
 bunus Drake and Ruhoff, 321
 ialorensis Distant, 321
 monticollis (Walker), 321
 nimius (Drake), 321
 nubila (Drake), 321
 opiparus (Drake), 322
 oresbius Drake and Ruhoff, 322
 tibetanus Drake and Maa, 322
 verdicus Drake and Maa, 322
pensa Drake and Hambleton, Amblystira, 82
pensa Drake and Hambleton, Leptopharsa, 282
perakensis (Distant), Ammianus, 88
perbona Drake, Leptopharsa, 283
perbona Monte [misident.], Leptopharsa, 282
PERBRINCKEA Drake, 322
 brincki Drake, 322
pergandei Heidemann, Corythucha, 158
perinetana Drake, Aphelotingis, 91
perinetana Drake, Baeochila, 96
peringueyi (Distant), Agramma, 74
PERISSONEMIA Drake and Poor, 322
 absita Drake and Ruhoff, 323
 bimaculata (Distant), 323
 borneensis (Distant), 323
 delagoana Drake, 323
PERISSONEMIA Drake and Poor—Continued
 dignata Drake and Poor, 420
 ecmeles Drake and Mohanasundarum, 323
 electa Drake and Poor, 420
 gressitti Drake and Poor, 323
 illustris Drake and Poor, 324
 kietana Drake and Poor, 324
 malaccae Drake, 421
 nigerrima (Schouteden), 324
 occasa Drake, 324
 onerosa Drake and Poor, 324
 pagnana Drake, 324
 recentis Drake and Poor, 209
 sandakana Drake and Ruhoff, 324
 sierrana Drake, 325
 sodalis Drake, 325
 tasmaniae Drake and Poor, 206
 torquata Drake and Poor, 325
 vegata Drake and Poor, 325
perita Drake, Leptodictya, 267
perithrix Puton, Campylosteira, 105
perkinsi Drake, Tingis, 401
peroronus Drake, Eteoneus, 212
perseae (Heidemann), Pseudocysta, 346
perspicuus (Jakovlev), Galeatus, 219
peruana Drake, Pleseobyrsa, 342
peruensis Drake, Leptopharsa, 283
peruviana Drake and Poor, Dicysta, 199
petila Drake, Gitava, 235
phae Drake and Ruhoff, Cysteochila, 173
PHAENOTROPIS Horváth, 325
 cleopatra (Horváth), 325
 parvula (Signoret), 326
PHAECHILA Drake and Hambleton, 326
 hirta (Monte), 326
PHATNOMA Fieber, 35
 aethiops Distant, 32
 agviates Drake and Ruhoff, 35
 amazonica Drake and Hambleton, 35
 annulipes Champion, 35
 baltica Drake [fossil], 35
 barberi Drake, 36
 concisa Drake [var.], 35
 cordata Hacker, 22
 costalis Distant, 36
 coyazana Drake, 36

PHATNOMA Fieber—Continued

- ecuadoris Drake, 36
filetia Gibson, 37
 guatemalana Drake, 36
 hackeri Drake, 36
 hova Schouteden, 37
 humeralis Distant, 40
 jinjana Drake, 37
 laciniata Fieber, 37
 maculata Monte, 37
 marmorata Champion, 37
 maynei Schouteden, 37
 obesus Distant, 30
 ovata Champion, 38
 pacifica Kirkaldy, 38
spinosa Gibson, 37
 takasago Takeya, 38
 testacea Distant, 34
 tindalei Hacker, 34
 togularis Drake, 38
 tonkinana Drake and Maa, 38
 trinidadana Drake, 38
 uichancoi Drake, 38
 unicarinata Drake [var.], 39
 varians Drake, 39
 veridica Drake and Maa, 39
 vernoniae Drake and Hambleton, 39

PHATNOMINI Drake and Davis, 17, 30

- phiala Drake, *Cysteocheila*, 173
 philippinense Drake, *Paracopium*, 318
 philippinensis (Distant), *Ammianus*, 88
 philippinensis Drake, *Alloiothucha*, 78
 PHYLLOCHISME* Kirkaldy, 328

PHYLLOGASTEROTINGINAE Menon and Hakk, 445

- PHYLLOGASTEROTINGIS Menon and Hakk, 445
 acheranthi Menon and Hakk, 445

PHYLLONTOCHEILA* Fieber, 84, 390

- admiranda Drake, 84
 alaticollis Stål, 84
 alberti Schouteden, 84
 biseriata Horváth [var.], 417
 bobangensis Schouteden, 85
 brevicornis Horváth, 394
 burgeoni Schouteden, 85
 cafer Distant, 345
 corticina Horváth, 85
 debile Uhler, 419

PHYLLONTOCHEILA* Fieber—Continued

- depicta Schouteden, 85
 discessa Horváth [var.], 417
 elisabethae Schouteden, 86
fallax Horváth, 398
 flabilis Bergroth, 87
 ghesquierei Schouteden, 87
 insularis Horváth, 412
 junodi Distant, 87
 juvenca Horváth, 412
 laetabilis Horváth, 400
 laminata Horváth, 87
 laplumei Schouteden, 99
 maseruana Drake, 87
 mayri Haglund, 88
 miscella Horváth [var.], 412
 mussolinii Mancini, 88
 obscura Schumacher [var.], 86
obscura Schouteden [var.], 88
 perakensis Distant, 88
 philippinensis Distant, 88
prolixa Horváth, 398
 selecta Horváth, 203
 spinosa Schouteden, 89
 suavis Horváth, 403
 subinermis Horváth, 350
 tellinii Schouteden, 89
 toi Drake, 89
 torpida Horváth, 417
 vanderijsti Schouteden, 90
 waelbroecki Schouteden, 350
 wahlbergi Stål, 90
sp. Scudder [fossil], 404
Phyllontochila auct. (*see Phyllontocheila*)
 phyllophila Drake, *Eurypharsa*, 214
 PHYLLOTINGIS Walker, 445
 arida Walker, 445
 PHYMACYSTA Monte, 326
cubana (Drake), 327
 magnifica (Drake), 326
malpigheae (Drake), 327
 mcelfreshi (Drake), 327
 praestans (Drake), 327
 tumida (Champion), 327
 vesiculosa (Champion), 328
walcotti (Drake), 327
 PHYSATOCHEILA Fieber, 328
 aglaia Drake and Ruhoff, 328

PHYSATOCHEILA Fieber—Continued

- arbicola Drake, 328
 biseriata Hacker, 328
 brevisrostris Osborn and Drake, 328
chanceli Bergevin, 331
 chatterjeei Drake and Poor, 329
 civatis Drake, 329
 confinis Horváth, 329
corticea (Herrich-Schaeffer), 330
 costata (Fabricius), 330
 delicatula Horváth, 331
 distinguenda (Jakovlev), 332
 dryadis Drake and Poor, 332
 dumetorum (Herrich-Schaeffer), 332
 enalla Drake and Ruhoff, 333
 enodis Drake, 333
 exolasca Drake, 333
 fasciata (Fieber), 334
 ferruginea Bergroth, 334
 fulgoris Drake, 334
 gibba (Fieber), 334
 gibbula Horváth, 168
 harwoodi China, 334
 irregularis Montrouzier, 334
irregularis Hacker, 337
 josephinae Schouteden, 170
 katbergana Drake, 335
 lautana Drake and Ruhoff, 335
 lenis Drake and Poor, 335
 major Osborn and Drake, 335
 marginata (Distant), 335
 muluana Drake, 335
 municeps Horváth, 336
 natalensis Stål, 171
 objicis Drake, 336
 orientis Drake, 336
 ornata Van Duzee [var.], 338
oxyacanthae (Curtis), 332
parshleyi Osborn and Drake, 336, 338
 plexa (Say), 336
 pulchella Lindberg, 337
 putoni Horváth [var.], 329
quadrimaculata (Wolff), 330
 ruris Drake, 337
 scotti Drake, 337
 senegalensis Drake, 337
 smreczynskii China [ssp.], 331
sordidula Horváth, 171

PHYSATOCHEILA Fieber—Continued

- stricta Bergevin, 337
 suttoni Drake, 337
 thomasi Drake, 337
 uniseriata Hacker, 338
 variegata Parshley, 338
 veteris Drake, 338
 weenenana Drake, 338
 witmeri Mancini, 339
- PHYSATOCHEILINI* Blatchley, 42
Physatochila auct. (see *Physatocheila*)
- PHYSODICTYON* Lindberg, 118
vesicarius Lindberg, 120
- picta* Champion, Teleonemia, 380
picta (Distant) Cysteochila, 173
picta Schouteden, Compseuta, 126
pictipenne (Horváth), Agramma, 74
pictipes Champion, Dichocysta, 178
pictum (Shouteden) [var.], Agramma, 74
picturata (Distant), Dictyla, 193
picturatus (Distant), Diconocoris, 179
pictus (Distant), Haedus, 240
piercei Gibson, Corythucha, 142
- PIESMA auct.
 capensis Walker, 123
 quadricornis Le Peletier and Ser-
 ville, 26
 tingidoides Spinola, 40
tricolor Laporte, 70
- pilicornis* Champion, Teleonemia, 380
pilicornis (Herrich-Schaeffer), Dictyonota,
 438
pilicornis Horváth, Campylosteira, 106
pilifera Reuter, Campylosteira, 106
piligera (Garbiglietti), Lasiacantha, 255
pilosa Champion, Stencocysta, 353
pilosa Hummel, Tingis, 414
piperica Drake, Nesocypselas, 304
placentis Drake and Poor, Atheas, 94
placida Horváth, Habrochila, 238
- PLACOTINGIS Drake, 339
 merga Drake, 339
 par Drake, 339
- plana* Drake [var.], (Acanthocheila), 58
plana Heidemann, Leptodictya, 267
planaris (Uhler), Corythaica, 137
- PLANIBYRSA Drake and Poor, 339
 elegantula (Drake), 339

- PLANIBYRSA** Drake and Poor—Continued
montei Drake and Hambleton, 339
sodalis (Drake and Bondar), 340
splendida (Drake), 340
platini Drake, Corythucha, 159
platycheila (Fieber), Acalypta, 53
PLATYCHILA* Puton, 390
platydera Horváth [var.], Elasmotropis, 204
platyoma (Fieber), Dictyla, 194
PLATYTINGIS Drake, 340
pediades Drake, 340
PLEROCHILA Drake, 340
australis (Distant), 340
horvathi (Schouteden), 341
rutshurica Schouteden, 341
zululandana Drake, 341
PLESEOBYRSA Drake and Poor, 341
ablusa Drake and Hambleton, 341
atratarsis Drake and Hambleton, 341
bicincta Monte, 342
boliviana Drake and Poor, 342
chiriquensis (Champion), 342
lichyi Monte, 342
nigriceps (Champion), 342
parana Drake and Hambleton, 343
peruana Drake, 342
plicata (Champion), 343
plesia Drake and Ruhoff, Ulonemia, 421
PLESIONOMA Drake, 39
eteosa Drake, 39
humeralis (Distant), 40
leroyi Schouteden, 40
plexa Osborn and Drake [misident.], Physatocheila, 338
plexa (Say), Physatocheila, 336
plexa Van Duzee [misident.], Physatocheila, 338
plicata (Champion), Pleseobyrsa, 343
PLIOBYRSA Drake and Hambleton, 343
adversa (Drake and Hambleton), 343
inflata (see *inflexa*)
inflexa (Drake and Hambleton), 343
lateris Drake and Hambleton, 343
mollinediae Drake and Hambleton, 344
pulcherrima Monte, 344
translucida (Champion), 344
poecilia Drake and Ruhoff, Cysteocheila, 173
POGONOSTYLA Drake, 344
afra Drake and Smithers, 344
crispa Drake, 344
discrega Drake and Smithers, 345
herana Drake, 345
intonsa Drake, 345
natalicola (Distant), 345
polita (Drake), Kapiiriella, 251
polulus Drake, Haedus, 240
polygrapha Lintner, Corythucha, 142
ponda Drake, Cysteocheila, 173
pongana (Drake), Dictyla, 194
PONTANUS Distant, 345
accedens (Drake), 345
cafer (Distant), 345
gibbifera (Walker), 346
puerilis (Drake and Poor), 346
poorae Drake, Nethersia, 306
popla Drake, Parada, 320
poppii (Horváth) [var.], Agramma, 68
poppiusi (Sahlberg) (see *poppii*)
populi Takeya, Tingis, 401
posoqueriae Drake and Hambleton, Leptopharsa, 283
praecellans Distant, Cantinona, 111
praecellens Stâl, Tigava, 389
praecleara Drake and Hambleton, Acysta, 61
praestabilis Drake and Hambleton, Ulocysta, 419
praestans (Drake), Phymacysta, 327
praestantis (Drake) (see *praestans*)
princeps (Distant), Stephanitis, 359
principis Drake and Hambleton, Leptopharsa, 283
PRIONOSTRINA* Schumacher, 422
nana Schumacher, 423
probala Drake and Hambleton, Leptopharsa, 283
procera Drake, Gitava, 235
productus Distant, Sanazarius, 349
prolixa Horváth, Ischnotingis, 250
prolixa (Horváth), Tingis, 398
prolixa (Stâl), Teleonemia, 380
propinqua (Ferrari), Acalypta, 47
propinqua Horváth, Stephanitis, 359

- propria* Drake, *Cysteochila*, 173
propria Drake and Poor, *Sphaerocysta*, 352
proprium Drake, *Paracopium*, 318
provorsus Distant, *Ildefonsus*, 249
prudens Drake and Hambleton, *Campylo-*
lotingis, 110
prudens Drake and Poor, *Radinacantha*, 347
prudentis Drake and Poor (*see* *prudens*)
prunellae Drake and Hambleton, *Tele-*
onemia, 381
pruni Osborn and Drake, *Corythucha*, 158
PSEUDACYSTA Blatchley, 346
 perseae (Heidemann), 346
PSEUDAPHATNOMA Blöte, 40
 corniculata Blöte, 40
PSILOBYRSA Drake and Hambleton, 346
 aechemeae Drake and Hambleton, 346
 vriesiae Drake and Hambleton, 347
psychotriae Drake and Hambleton, *Leptopharsa*, 283
pucallpana (Drake and Hambleton), *Dictyla*, 194
pu dens Drake and Hambleton, *Leptopharsa*, 284
puerilis (Drake and Poor), *Pontanus*, 346
pugna Drake, *Nethersia*, 305
pulchella Champion, *Tigava*, 389
pulchella Costa, *Dictyonota*, 435
pulchella Lindberg, *Physatocheila*, 337
pulcherrima Monte, *Pliobyrsa*, 344
pulchra Monte, *Leptobyrsa*, 258
pulchra Štušák, *Acalypta*, 54
pulchrus (Schouteden), *Dulinius*, 201
pulla Drake [var.], *Parada*, 320
pulla Drake and Plaumann, *Zetekella*, 41
pulla Drake and Slater, *Baichila*, 97
pulla (Horváth) [var.], *Dictyla*, 195
pullum Drake, *Agramma*, 74
punctata (Lamarck), *Copium*, 129
pupula (Gomez-Menor) [misident.], *Am-*
mianus, 85
pura Gibson, *Corythucha*, 152
pusaensis Menon and Hakk, *Urentius*, 423
pusana Drake and Maa, *Dictyonota*, 437
pusilla (Fallén), *Acalypta*, 51
pusilla (Herrich-Schaeffer), *Acalypta*, 49
pusilla (Jakovlev), *Tingis*, 416
pusilla Monte, *Corycera*, 134
putoni Ferrari, *Dictyonota*, 440
putoni Horváth [var.], *Physatocheila*, 329
putoni (Montandon), *Dictyla*, 194
putonii Stål, *Dictyonota*, 441
pyri Drake [misident.], *Stephanitis*, 357
pyri (Fabricius), *Stephanitis*, 359
pyri (Fallén) [misident.], *Stephanitis*, 358
pyri (Gomez-Menor) [misident.], *Stephan-*
itis, 361
pyri (Herrich-Schaeffer) [misident.], *Gale-*
atus, 217
pyri (Matsumura) [misident.], *Stepha-*
nitis, 357
pyriformis Parshley, *Corythucha*, 159
pyrioides (Gomez-Menor) [misident.], *Ammianus*, 89
pyrioides Matsumura [misident.], *Stepha-*
nitis, 354
pyrioides (Scott), *Stephanitis*, 12, 13, 361
quadrata Drake, *Leptopharsa*, 284
quadricornis Fieber [misident.], *Cantacader*, 24
quadricornis (Le Peletier and Serville), *Cantacader*, 26
quadri fenestrata Bergroth, *Eurypharsa*, 214
quadrinaculata (Costa) [misident.], *Physatocheila*, 332
quadrinaculata (Curtis) [misident.], *Physatocheila*, 331
quadrinaculata (Kolenati) [misident.], *Physatocheila*, 329
quadrinaculata (Wolff), *Physatocheila*, 330
quecha Monte, *Teleonemia*, 381
queenslandensis Hacker, *Stephanitis*, 362
querca Bergroth, *Stephanitis*, 362
quinquecarinatus (Germar and Berendt) [fossil], *Cantacader*, 27
quinquecostatus (Fieber), *Cantacader*, 27
RADINACANTHA Hacker 347
 prudens Drake and Poor, 347
 reticulata Hacker, 347
 tasmanica Hacker, 347

- ragusana* (Fieber), Tingis, 407
ragusana (Puton) [misident.], Tingis, 405
rasilis (Drake and Maa), Dictyla, 195
ravanus (Kirkaldy), Ammianus, 89
RECAREDUS Distant, 347
 rex Distant, 347
recens (Drake and Poor), Eritingis, 209
recentis (Drake and Poor) (see *recens*)
rectinervis Puton, Derephysia, 433
recurva Drake, Codotingis, 121
reflexa Blatchley, Melanorhopala, 297
RENAUDEA Drake, 348
 pauliani Drake, 348
renormata Barber, Corythaica, 138
retiaris (Distant), Galeatus, 218
reticosta (Thomson), Acalypta, 47
reticulata Bekker-Migdisova [fossil],
 Tingiopsis, 445
reticulata Hacker, Radinacantha, 347
reticulata Herrich-Schaeffer, Tingis, 407
reticulata (Rambur), Dictyla, 192
reticulatum (Distant), Gonycentrum, 33
retrusa Drake and Hambleton, Lep-
 topharsa, 284
reuniona Drake, Leptopharsa, 284
reuteri Horváth, Dictyonota, 441
reuteri Horváth, Tingis, 416
rex Distant, Recareodus, 347
reyi Wagner, Copium, 131
rhodesiae Drake, Cystechila, 174
rhododendri Horváth, Stephanitis, 12,
 362
rhomboptera (Fieber), Macrocorutha, 294
hopalae Drake and Poor, Corycera, 133
rivalis (Horváth) [var.], Dictyla, 191
roboris (Drake), Aframixia, 62
rochalimai Monte, Corycera, 134
rollinae (Drake and Hambleton), Idio-
 styla, 248
romani Drake, Sphaerocysta, 352
rotundata (Herrich-Schaeffer), Octacysta,
 307
rotundata Takeya, Campylosteira, 106
rotundicollis (Jakovlev), Tingis, 402
rotundipennis Horváth, Tingis, 408
ruandae (Schouteden), Dictyla, 195
rubida Horváth, Cystechila, 174
rudgeae Drake and Hambleton, Lep-
 topharsa, 284
rudis Drake and Poor, Dasytingis, 177
rufescens Hacker, Oncophysa, 310
ruficeps (Horváth), Dictyla, 195
ruficorne (Germar), Agramma, 74
rufina (Seidenstücker) [var.], Dictyla,
 186
rugata Kirkaldy, Nesocysta, 304
rugiana Drake, Berotingis, 100
rugosa Champion, Teleonemia, 381
rugulosa Drake, Corycera, 134
rumiana Drake and Hambleton, Lep-
 topharsa, 284
urris Drake, Leptopharsa, 285
urris Drake, Physatocheila, 337
rustica Drake, Cystechila, 174
rustica Drake, Diplocysta, 200
rustica Monte, Acanthocheila, 58
ruthae Monte, Teleonemia, 381
rutshurica Schouteden, Plerocheila, 341
rwindianum (Drake), Agramma, 75
SABESTENA Drake, 348
 africana Drake, 348
 alfierii Drake and Ruhoff, 348
sacchari Drake, Abdastartus, 43
sacchari (Fabricius), Teleonemia, 382
sacchari (Stål) [misident.], Teleonemia,
 380
saetula Drake, Kapiiriella, 252
sagillata Drake, Corythucha, 159
sagillata Drake, Dicysta, 199
sagillatus Drake (see *sigillatus*)
sahlbergi (Horváth), Dictyla, 195
SAKUNTALA* Kirkaldy, 84
 ravana Kirkaldy, 89
salicata Gibson, Corythucha, 159
salicis Osborn and Drake, Corythucha,
 154
salicorum (Baba), Dictyla, 195
samara (Puton), Acalypta, 54
SANAZARIUS Distant, 348
 biseriatus Drake, 348
 cuneatus Distant, 348
 productus Distant, 349
sandakana Drake and Ruhoff, Peris-
 sonemia, 324
sandersi Drake and Hambleton, Tele-
 onemia, 382

- SANKISIA* Schouteden, 200
 pulchra Schouteden, 201
 uniseriata Horváth, 244
 sareptana Horváth [var.], Stephanitis,
 361
 sareptana (Jakovlev), Biskria, 429
 sarinae Hacker, Urentius, 424
 sarptus Drake and Poor, Eteoneus, 213
 satanas (Schouteden) [var.], Dictyla, 182
 satipona Drake and Hambleton, Lep-
 topharsa, 285
 saueri Drake and Hambleton, Tingis, 416
 saundersi (Downes), Acalypta, 54
 sauteri Drake, Acalypta, 54
 sauteri (Drake), Dictyla, 196
 sauteri Drake, Paracopium, 319
 scapularis (Fieber), Oncochila, 309
 schaefferi (Fieber), Catoplatus, 113
 schildi Drake, Pachycysta, 313
 schildi Drake, Teleonomia, 382
 schoutedeni Distant, Ammianus, 89
 schoutedeni Drake, Henrikus, 242
 schoutedeni Drake, Kapiriella, 252
 schoutedeni (Gomez-Menor) [misident.],
 Stephanitis, 360
 schubarti Monte, Corycera, 134
 schulzei Drake, Gargaphia, 231
 schwarzi (Drake), Aepycysta, 62
 schwarzi Drake, Teleonomia, 383
 scita Drake and Hambleton, Amblystira,
 82
 scita Drake and Hambleton, Leptopharsa,
 285
 scitula Drake, Baeochila, 96
 scitula Drake, Corythucha, 159
 scitula Drake and Ruhoff, Zorotingis,
 428
 scitulum Drake and Maa, Agramma, 75
 scitulus Drake and Maa, Galeatus, 218
 scotti Drake, Physatocheila, 337
 SCRAULIA* Stål, 433
 scrophicus Saunders, Galeatus, 218
 scrupulosa Stål, Teleonomia, 12, 383
 SCYMNOTINGIS Drake, 349
 sigillata Drake, 349
 secta Drake, Mecopharsa, 296
 secunda (Hacker), Tanybyrsa, 369
 sedale (Drake), Agramma, 75
 seguyi Drake, Corythucha, 160
 seibae Drake and Poor (*see* ceibae)
 sejuncta Drake, Compseuta, 126
 sejuncta Horváth, Acalypta, 54
 selecta (Horváth), Elasmotropis, 203
 semilucidus Jakovlev, Galeatus, 218
 semota Drake, Malandiola, 295
 semota Drake, Tigava, 389
 semota Drake and Lutz, Dasytingis, 178
 senegalensis Drake, Physatocheila, 337
 senta (Drake and Hambleton), Ambro-
 tisingis, 83
 sentis Distant, Urentius, 423
 seorsa Drake and Hambleton, Garga-
 phia, 231
 seorsa (Drake and Poor), Dictyla, 196
 separata (Drake and Hambleton), Cory-
 cera, 134
 seposita Cockerell [fossil], Celantia, 118
 septuosus Drake and Ruhoff [ssp.],
 Ammianus, 88
 sera Drake and Poor, Leptopharsa, 285
 serena Horváth, Campylosteira, 106
 SERENTHIA* Spinola, 64
 aliwalana Drake, 64
 angolana Drake, 64
 antennata Horváth [var.], 67
 apicicornis Horváth [var.], 71
 atricapilla Spinola, 65
 basilicornis Drake, 66
 blandula Horváth, 66
 brevisrostris Jakovlev, 65
 carinata Distant, 66
 collaris Horváth [var.], 73
 confusa Puton, 66
 dilatata Distant, 211
 dilectula Drake, 67
 dubia Horváth, 67
 fallax Horváth, 68
 formosana Matsumura, 68
 globiceps Horváth, 69
 gracilicornis Wagner, 69
 hupehana Drake and Maa, 69
 imbecilla Horváth [var.], 67
 intermedia Wagner, 69
 japonica Drake, 70
 karisimbiensis Schouteden, 70
 kivuana Drake, 70
 lineata Horváth, 71
 longa Drake, 71

SERENTHIA* Spinola—Continued

- maynei* Schouteden, 72
melanoscelis Horváth, 72
mendax Horváth [var.], 65
muelleri Wagner [var.], 72
nexilis Drake, 73
pallens Horváth [var.], 65
pallidula Schouteden, 74
peringueyi Distant, 74
picta Schouteden [var.], 74
pictipennis Horváth, 74
poppii Horváth [var.], 68
rwindiana Drake, 75
sedalis Drake, 75
singula Drake, 75
socialis Drake, 76
striola Drake, 76
thoracica Horváth [var.], 67
turanica Horváth, 76
umbrosa Horváth, 76
vicinalis Drake, 77
vulturna Kirkaldy, 77
- SERENTHARIA* Stål, 42
- SERENTHIELLA* Wagner, 64
- serjaniae* Drake and Hambleton, Gargaphia, 231
- serratum* Thunberg, Copium, 445
- serratus* Horváth, Callithrinus, 101
- serrulata* Hacker, Gymnotingis, 236
- serta* Drake and Hambleton, Corythucha, 160
- sesoris* (Drake and Hambleton), Vatica, 426
- sesoris* (Drake and Poor), Dictyla, 196
- setigera* (Champion), Leptopharsa, 285
- setosa* Champion, Corythucha, 160
- setosa* (Hacker), Nethersia, 306
- setulosa* (Fieber), Lasiacantha, 253
- sexnebulosa* Berg [misident.], Leptocysta, 259
- sexnebulosa* (Stål), Leptocysta, 259
- sexnotata* Drake (see *sexnebulosa*)
- seydeli* Schouteden, Cystocochila, 174
- shaowuana* Drake and Maa, Tingis, 408
- shelfordi* Drake and Hambleton, Gargaphia, 232
- shüntanana* Drake, Stephanitis, 367
- shirozui* Takeya, Stephanitis, 363
- sibirica* Jakovlev, Acalypta, 55

- sicardi* Puton, Dictyonota, 441
sidae (Drake and Poor), Haedus, 240
sidae (Fabricius), Teleonomia, 384
sidae Menon and Hakk, Urentius, 424
siderca Drake and Hambleton, Leptopharsa, 285
sideris Drake, Lasiacantha, 257
sideris Drake, Ypsotingis, 443
sidaeus (Drake and Poor) (see *sidae*)
sierrana Drake, Perissonemia, 325
sigillata Drake, Scymnotingis, 349
sigillata Drake and Bruner, Acanthocheila, 58
sigillatus Drake and Poor, Etconeus, 213
signatus (Distant), Nobarnus, 306
signatus Drake, Callithrinus, 102
silvacata Drake, Tingis, 402
silvestrii Drake, Baeotingis, 96
silvicola Drake, Amblystira, 82
similis (Douglas and Scott), Tingis, 402
similis Hacker, Malandiola, 295
simillima Monte, Teleonomia, 384
simplex (Herrich-Schaeffer), Oncochila, 309
simplex Horváth, Malandiola, 295
simulans Drake, Teleonomia, 384
simulans Heidemann, Leptodictya, 267
simulans Horváth [var.], Compseuta, 125
simulans (Stål), Leptopharsa, 285
simulis Drake and Poor, Nesocypsela, 304
 SINALDA* Distant, 32
 elegans Distant, 33
 nebulosa Distant, 33
 reticulata Distant, 33
sinaloana Drake, Leptodictya, 268
singulum (Drake), Agramma, 75
sinuata Fieber, Campylosteira, 107
sinuata (Fieber), Tingis, 392
sinuaticollis (Jakovlev), Tingis, 402
sinuatocollis Puton, Derephysia, 433
sinuatus (Herrich-Schaeffer), Galeatus, 219
 SINESSA Horváth, 349
 colens (Drake), 349
 nairebia Drake, 349
 subinermis (Horváth), 350
 waelbroeckii (Schouteden), 350
sjostedti (Horváth), Dictyla, 196

- smithi Drake, Corythaica, 139
 smithi Drake, Dicysta, 199
 smreczynskii China [ssp.], Physatocheila, 331
snipesi Drake and Hambleton, Campylo-tingis, 110
 sobrina Monte, Leptopharsa, 286
 socia Drake, Amblystira, 82
 socia Monte, Corythucha, 160
 sociale (Drake), Agramma, 76
 socium Drake and Ruhoff, Gonycentrum, 33
 socorrone Drake, Gargaphia, 232
 socorrone Drake, Leptodictya, 268
 sodalis Drake, Perissonemia, 325
 sodalis (Drake and Bondar), Planibyrsa, 340
 sodalatis Drake, Leptodictya, 268
 solani Heidemann, Gargaphia, 232
 SOLENOTOMA* Signoret, 122
 liliputiana Signoret, 122
 solida Drake, Amblystira, 82
 solida Drake, Amblystira, 79
 solita Drake and Hambleton, Leptodictya, 268
 solla Drake and Ruhoff, Parada, 320
 sondaica Horváth, Stephanitis, 366
 sordida Distant, Stephanitis, 368
 sordida (Jakovlev), Acalypta, 55
 sordida (Stål), Cysteocheila, 174
 sordidus Osborn and Drake, Atheas, 93
 sordidula (Horváth), Cysteocheila, 171
 sororcula Horváth, Campylostira, 107
 sororcula Van Duzee, Teleonemia, 383
 sororia Hussey, Gargaphia, 232
 spatula Monte, Tigava, 389
 spectabilis Drake, Teleonemia, 386
 spectabilis Monte, Leptopharsa, 283
 sphaeralceae Drake, Corythucha, 160
 SPHAERISTA Kiritschenko, 350
 paradoxa (Jakovlev), 350
 SPHAEROCYSTA Stål, 350
 angulata Monte, 351
 biseriata Drake, 351
 brasilensis Monte, 351
 egregia Drake, 351
 fumosa Drake, 351
 globifera (Stål), 351
 SPHAEROCYSTA Stål—Continued
 inflata (Stål), 352
 maculata Monte, 352
 nosella Drake and Hambleton, 352
 paris Drake, 352
 peckhami Ashmead, 220
 propria Drake and Poor, 352
 romani Drake, 352
 stali Drake, 352
 spinata Osborn and Drake [var.], Corythucha, 148
 spinicollis (Horváth), Engynoma, 206
 spinicosta Van Duzee, Acanthocheila, 59
 spinifemur Drake, Lullius, 293
 spinifrons (Fallén), Galeatus, 14, 219
 spinosa (Dugès), Corythucha, 160
 spinosa Gibson, Phatnoma, 37
 spinosus (Schouteden), Ammianus, 89
 spinuligera (Stål), Acanthocheila, 56
 spinulosa Gibson, Corythucha, 143
 spissa Drake, Corycera, 135
 splendida (Drake), Planibyrsa, 340
 splendida (Monte) [misident.], Planibyrsa, 339
 stachydis (Fieber), Tingis, 416
 stali Drake, Sphaerocysta, 352
 staudingeri (von Baerensprung), Cantacader, 27
 staudingeri Puton [misident.], Cantacader, 26
 steeleae Drake and Maa, Stephanitis, 363
 steini (Stål), Leptobyrsa, 258
 STENOCADER Drake and Hambleton, 40
 germainii (Signoret), 40
 tingidoides (Spinola), 40
 STENOCYSTA Champion, 353
 aspidospermae Drake and Hambleton, 428
 pilosa Champion, 353
 STEPHANITIS Stål, 353
 agaica Drake, 353
 ambigua Horváth, 354
 amboinae Drake and Poor, 354
 aperta Horváth, 366
 appendiceus Fourcroy, 359
 assamana Drake and Maa, 354
 astralis Drake and Poor, 366
 aucta Drake, 354

STEPHANITIS Stål—Continued

- azaleae* Horváth, 361
bankana Drake, 368
biseriata Sahlberg [var.], 358
blatchleyi Drake, 12, 354
caucasica Kiritshenko, 355
charieis Drake and Mohanasundaram, 365
chinensis Drake, 366
chlorophana (Fieber), 355
colocasiae Horváth, 355
depressa Blöte, 355
desecta Horváth, 368
distinctissima Esaki and Takeya, 356
eremnoa Drake and Ruhoff [ssp.], 354
esakii Takeya, 367
exigua Horváth, 367
explanata (Heidemann), 362
faramaeae Drake and Hambleton, 355
fasciicarina Takeya, 355
formosa Horváth, 365
gallarum Horváth, 356
globulifera Matsumura, 364
gressiti Drake, 356
hikosana Drake, 356
hydrangeae Drake and Maa, 356
indiana Drake, 364
kardia Drake and Ruhoff, 366
kyushuana Drake, 355
laratana Drake, 367
laudata Drake and Poor, 356
ligrya Drake, 356
luzonana Drake, 357
macaona Drake, 367
marginata Lamarck, 359
marginata Drake and Maa [ssp.], 354
matsumurae Horváth, 357
mendica Horváth, 367
mitrata (Stål), 357
nashi Esaki and Takeya, 357
nitor Drake and Poor, 367
oberti (Kolenati), 358
olyrae Drake and Hambleton, 358
oschanini Vasilev, 360
outouana Drake and Maa, 368
pagana Drake and Maa, 368
parana Drake and Hambleton, 359

STEPHANITIS Stål—Continued

- princeps* (Distant), 359
propinqua Horváth, 359
pyri (Fabricius), 359
pyrioides (Scott), 12, 13, 361
queenslandensis Hacker, 362
querca Bergroth, 362
rhododendri Horváth, 12, 362
salicorum Baba, 195
sareptana Horváth [var.], 361
shintenana Drake, 367
shirozui Takeya, 363
sondaica Horváth, 366
sordida Distant, 368
steeleae Drake and Maa, 363
subfasciata Horváth, 363
suffusa (Distant), 368
suigensis Saito [var.], 358
svensoni Drake, 363
tabidula Horváth, 363
takeyai Drake and Maa, 14, 364
typica (Distant), 4, 364
veridica Drake, 365
vitrea Takeya, 367
x-nigrum Lindberg, 419
yasumatsui Takeya, 365
yunnana Drake and Maa, 365
- STEPHANITIS subg. MENODORA Horváth, 365
 STEPHANITIS subg. NORBA Horváth, 366
 STEPHANITIS subg. OMOPLAX Horváth, 368
- stigma* Monte, Gargaphia, 229
stolidum (Horváth), Paracopium, 319
strichnocera Fieber, Dictyonota, 435
stricta Bergevin, Physatocheila, 337
strictula (Puton), Tingis, 403
striculata (Chicote) (*see* *strictula*)
striolum (Drake), Agramma, 76
strumosus (Horváth), Hyalochiton, 246
stupidula Horváth, Tingis, 403
- STYMNONOTUS Reuter, 369
apicalis Reuter, 369
suavis (Horváth), Tingis, 403
subdola (Horváth), Dictyla, 197
subfasciata Horváth, Stephanitis, 363
subglobosus (Herrich-Schaeffer), Galeatus, 217
subinermis (Horváth), Sinuessa, 350

- subopaca* (Hacker), Calotingis, 102
subovata (Motschulsky), Cantacader, 27
subpilosa Berg, Gargaphia, 232
subpilosa Monte [misident.], Gargaphia, 231
subtilis (Reuter), Acalypta, 55
suensoni Drake, Cysteochoila, 174
sufflata (Drake and Poor), Naochila, 302
suffusa (Distant), Stephanitis, 368
suigensis Saitô [var.], Stephanitis, 358
summervillei (Hacker), Paracopium, 319
sundra (Drake), Conchotingis, 127
suspecta Horváth [var.], Campylosteira, 105
suspecta Schouteden, Cysteochoila, 175
suttoni Drake, Physatocheila, 337
suturalis (Puton), Acalypta, 55
svensoni Drake, Stephanitis, 363
sympathica (Horváth) [var.], Tingis, 392
symphyti (Vallot), Dictyla, 188
syriacus Horvath [var.], Catoplatus, 111
symiensis (Horváth), Hyalochiton, 246
syscena Drake, Cysteochoila, 175
syscena Drake and Ruhoff, Malandiola, 296
syscita Drake and Cobben, Teleonemia, 385
tabida (Herrich-Schaeffer), Leptodictya, 268
tabidula Horváth, Stephanitis, 363
tacsa Drake, Aphelotingis, 91
taeniophora (Hacker) [misident.], Parada, 320
taeniophora (Horváth), Parada, 320
takahashii Drake, Tanytingis, 370
takasago Drake [misident.], Phatnoma, 39
takasago Takeya, Phatnoma, 38
takeyai Drake and Maa, Stephanitis, 14, 364
tantilla Drake, Campyloitingis, 110
TANYBYRSA Drake, 369
ampliata (Hacker), 369
cumberi Drake, 369
secunda (Hacker), 369
TANYTINGIS Drake, 369
assamana Drake and Lutz, 370
takahashii Drake, 370
TAPHROSTETHUS* Fieber, 23
quinquecostatus Fieber, 27
staudingeri von Baerensprung, 27
taprobanes Kirkaldy, Cysteochoila, 175
tarda Drake, Cysteochoila, 175
tasmaniae Drake, Euaulana, 442
tasmaniae (Drake and Poor), Engynoma, 206
tasmanica Hacker, Radinacantha, 347
taurica (Jakovlev), Tingis, 392
tecomae Monte, Tingis, 403
tegeticula Monte, Leptodictya, 269
telamonides Kirkaldy, Hypsipygias, 247
TELEIA* Fieber, 32
coronata Fieber, 33
TELEONEMIA Costa, 370
abditata Drake, 370
absimilis Drake and Hambleton, 370
aemula Monte, 370
albilatera (Stål), 385
albomarginata Champion, 385
altilis Drake and Hambleton, 371
amazonica Horváth, 371
angustata Monte, 371
annae (Kirkaldy), 371
argentinensis Drake and Poor, 371
assamensis Distant, 420
aterrima Stål, 371
atrata Champion, 372
atriflava Monte, 372
australis Distant, 340
bahiana Drake, 372
barberi Drake, 372
belfragii Stål, 372
bierigi Monte, 372
bifasciata Champion, 373
bimaculata Distant, 323
boliviana Drake, 373
bondari Monte, 373
borneensis Distant, 323
bosqi Monte, 373
brevipennis Drake, 373
carmelana (Berg), 373
chacoana Drake, 374
chapidiana Drake, 374
chilensis (Reed), 373
consors Drake, 374
crassispinosa Monte, 374

TELEONEMIA Costa—Continued

- cylindricornis* Champion, 374
dispersa Drake, 386
dulcis Drake, 375
elata Drake, 375
elegantula Distant, 241
elevata (Fabricius), 375
elongata Uhler, 379
forticornis Champion, 375
funerea Costa, 375
granulosa Monte, 376
guyanensis Drake and Carvalho, 376
hasemani Drake, 376
haytiensis Drake [var.], 384
huachucae Drake, 376
inops Drake and Hambleton, 376
inornata Monte, 376
insularis China, 308
jamaicans Hurd, 376
jensoni Bergroth, 374
jubata Drake and Hambleton, 376
jucunda Drake, 377
lanceolata (Walker), 385
lantanae Distant, 383
leitei Drake and Hambleton, 377
limbata Stål, 377
longicornis Champion, 377
luctuosa (Stål), 377
lustrabilis Drake, 378
lutzi Drake, 378
marginata Distant, 335
mera Drake and Hambleton, 378
molinae Drake, 378
monile Van Duzee, 378
montivaga Drake, 378
morio (Stål), 378
multimaculata Monte, 379
nigerrima Schouteden, 324
nigrina Champion, 379
notata Champion, 379
novicia Drake, 380
ochracea Champion, 380
pacifica Kirkaldy, 209, 210
paraguayana Drake, 380
patagonica Drake, 380
picta Champion, 380
pilicornis Champion, 380
prolixa (Stål), 380

TELEONEMIA Costa—Continued

- prunellae* Drake and Hambleton, 381
quecha Monte, 381
rugosa Champion, 381
ruthae Monte, 381
sacchari (Fabricius), 382
sandersi Drake and Hambleton, 382
schildi Drake, 382
schwarzi Drake, 383
scrupulosa Stål, 12, 383
sidae (Fabricius), 384
simillima Monte, 384
simulans Drake, 384
sororcula Van Duzee, 383
spectabilis Drake, 386
summervillei Hacker, 319
syssita Drake and Cobben, 385
tellus Drake and Hambleton, 385
teres Drake, 385
triangularis (Blanchard), 385
tricolor (Mayr), 385
validicornis Stål, 386
vanduzeei Drake, 383
variegata Champion, 386
veneris Drake, 387
vidua Van Duzee, 387
vulgata Drake and Hambleton, 387
vulsa Drake and Hambleton, 387
vulturina Kirkaldy, 208
tellini (Schouteden), Ammanius, 89
telluris Drake and Hambleton (*see* *tellus*)
tellus Drake and Hambleton, Teleonemia, 385
tener Bergroth, Cantacader, 28
tenuatis Drake, Epimixia, 208
tenuatis Drake, Leptopharsa, 286
tenuicornis (Jakovlev), Tingis, 415
tenuimarginata (Lindberg), Leptoyppha, 288
tenuipes Stål, Cantacader, 28
tenuis (Champion), Leptopharsa, 286
 TERATOGADER Drake, 29
 magnificus (Drake), 30
 TERATOCHILA* Drake and Poor, 345
 accidentis Drake, 345
 puerilis Drake and Poor, 346
teres Drake, Celantia, 118
teres Drake [var.], Compseuta, 126

- teres Drake, Teleonemia, 385
teretis Drake (*see* *teres*)
 teretis Drake, Tingis, 403
 terminalis Drake, Cysteochila, 175
 tersa Drake and Hambleton, Leptobyrsa, 259
 tertia Monte, Leptocysta, 260
tessellata Drake and Poor, Compseuta, 124
 testacea (Herrich-Schaeffer), Elasmotropis, 204
 testaceum (Distant), Gonycentrum, 34
 testudineatus Distant, Ulmus, 41
 teucrii (Host), Copium, 8, 131
 teydensis Lindberg, Dictyonota, 436
 thaumana Drake and Cobben, Acanthocheila, 59
 THAUMAMANNIA Drake and Davis, 444
 manni Drake and Davis, 18, 444
 theryi (Montandon), Dictyonota, 441
 thomasi Drake, Belenus, 99
 thomasi Drake, Gonycentrum, 34
 thomasi Drake, Physatocheila, 337
 thomsonii Stål, Acalypta, 55
 thoracicum (Horváth) [var.], Agramma, 67
 tibetanus Drake and Maa, Penottus, 322
 TIGAVA Stål, 387
 anonae Drake and Hambleton, 248
 bombacis Drake and Poor, 387
 bondari Drake, 108
 brevicollis Monte, 388
 cassiac Drake and Hambleton, 424
 ceibae Drake and Poor, 388
 convexicollis Champion, 388
 corumbiana Drake, 388
 ferruginea Monte, 388
 gracilis Monte, 388
 graminis Drake and Poor, 388
 hambletoni Drake, 389
 jansoni Drake, 109
 lonchocarpa Drake and Hambleton, 425
 mollicula Drake, 110
 notabilis Drake, 389
 praecellens Stål, 389
 pulchella Champion, 389
 rollinae Drake and Hambleton, 248
 TIGAVA Stål—Continued
 semota Drake, 389
 sesoris Drake and Hambleton, 426
 spatula Monte, 389
 tingoana Drake, 389
 ugandana Drake, 236
 unicarinata Hacker, 390
 TIGAVARIA Drake, 390
 unicarinata (Hacker), 390
 tiliae (Walsh), Gargaphia, 233
 tindalei (Hacker), Gonycentrum, 34
 tingoides (Spinola), Stenocader, 40
 TINGINAE Laporte, 17, 42
 TINGINI Laporte, 18, 42
 TINGIOPSIS [fossil], 445
 reticulata Bekker-Migdisova [fossil], 445
 TINGIS Fabricius, 390
 abundans Drake and Hambleton, 409
 acris Drake, 409
 addita Horváth [var.], 398
 aegyptiaca Priesner, 409
 aemula Drake, 390
 aetheria Drake and Ruhoff, 405
 affinis Herrich-Schaeffer, 220
 ajugarum (Frey-Gessner), 405
 alata (Fabricius), 445
 alicolis Walker, 122
 americana Drake, 391
 amorphae Walsh, 221
 ampliata (Herrich-Schaeffer), 391
 amplicosta (Montandon) [var.], 415
 angulata Hacker, 205
 angustata (Herrich-Schaeffer), 391
 angusticollis (Herrich-Schaeffer), 414
 angustipennis (Jakovlev), 414
 antennalis (Puton) [var.], 415
 arcuata Say, 141
 auriculata (Costa), 12, 392
 australis Montrouzier, 63
 balassgloi (Jakovlev), 406
 beesoni Drake, 405
 beieri Drake, 406
 bengalana Drake, 177
 biseriata (Horváth) [var.], 417
 blukwana Drake, 301
 bodenheimeri Lindberg, 410

TINGIS Fabricius—Continued

brachycera (Fieber), 392
brevicornis (Horváth), 394
brunnea Germar, 44
buddleiae Drake, 394
caestri Reed, 136
capillata Kiritshenko, 394
capucina Germar, 253
cappadocica Horváth, 410
cardui (Linnaeus), 394
carinata Panzer, 45
cassidae Fallén, 45
caucasica (Jakovlev), 410
cervina Germar, 45
chlorophana Fieber, 355
ciliaris (Puton), 406
ciliata (Fieber), 407
ciliata Say, 145
circumdata Blanchard, 214
clavata Stål, 297
cognata (Fieber) [var.], 396
colombiana Drake, 396
comosa (Takeya), 6, 397
consaepata Drake and Poor, 397
convergens Herrich-Schaeffer, 183
coomani Drake, 397
corniculata (Jakovlev), 406
corticea Herrich-Schaeffer, 330
corumbiana Drake, 397
crassicornis Fallén, 437
crispata (Herrich-Schaeffer), 397
crispifolii Takeya, 291
cristata Panzer, 430
cyathicollis Costa, 137
cydoniae Fitch, 146
dauci Horváth [var.], 393
decens Stål, 150
demissa Horváth, 398
denudata Horváth, 406
deserticola Horváth, 398
dilatata Guérin-Méneville, 86
diminuta Horváth [var.], 392
discessa (Horváth) [var.], 417
drakei Hacker, 398
echii Fabricius, 307
elongata (Fieber), 398
eryngii Latrielle, 112

TINGIS Fabricius—Continued

erythrophthalma Germar and Kaulfuss, 437
exalla Drake, 209
fabricii Stål, 114
fallax (Horváth), 398
fieberi (Puton), 392
florissantensis Cockerell [fossil], 399
foleyi Bergevin, 399
foliacea Fallén, 431
formosa Göldi, 225
fuentei Horváth, 399
fuscigera Stål, 149
fuscocomaculata Stål, 149
gamboana Drake and Hambleton, 410
geniculata (Fieber), 410
globifera Stål, 351
globulifera Matsumura, 364
globulifera Walker, 119
gracilis Herrich-Schaeffer, 255
grandensis Horváth, 411
grisea Germar, 399
griseola (Puton), 411
guamensis Drake, 100
hackeri Drake, 400
hedenborgii Stål, 255
hellenica (Puton), 406
helvina Jakovlev, 412
himalayae Drake, 394
hoffmani (Drake), 401
hurdae Drake, 400
hyalina Herrich-Schaeffer, 145
hystricellus Richter, 423
impensa Drake, 400
indigena Wollaston, 189
inermis Jakovlev, 217
inflata Stål, 352
insularis Hacker, 205
insularis (Horváth), 412
juglandis Fitch, 152
juvenca (Horváth), 412
kiesenwetteri (Mulsant and Rey), 413
kirinana Drake, 412
laeta Fallén, 70
laetabilis (Horváth), 400
lanigera (Puton), 400

TINGIS Fabricius—Continued

- lasiocera* Matsumura, 400
leptochila Horváth, 401
limbata Stål, 377
liturata (Fieber), 412
longipennis (Jakovlev), 403
luida Stål, 297
maculata (Herrich-Schaeffer), 416
maculata Herrich-Schaeffer, 217
maderensis (Reuter) [var.], 396
marginata Lamarck, 359
marmorata Uhler, 153
marrubii Vallot, 413
melanocephala Panzer, 112
minutulus (Goeze), 394
miscella (Horváth) [var.], 412
mitrata Stål, 357
njobergi Horváth, 421
modosa Drake, 397
monacha Stål, 138
montana Lindberg, 395, 403
muiri Drake, 414
mutica Say, 290
necopina (Drake), 393
neotropicalis Monte, 401
nigrina Fallén, 51
nigritarsis Horváth, 306
nitidula Stål, 117
nobilis Guérin-Méneville, 214
nyogana Drake, 401
oblonga Say, 281
obscura Heer [fossil], 401
odontostoma Stål, 257
oliveirae Drake and Hambleton, 414
ovatula (Jakovlev), 407
oxyacanthae Curtis, 332
pallida (Garbiglietti), 399
parallelus (Costa), 392
paranana Drake, 406
parvula Fallén, 52
pauperata (Puton), 414
perkensi Drake, 401
perspicuus Jakovlev, 219
pilicornis Herrich-Schaeffer, 438
pilosa Hummel, 414
plexus Say, 336
populi Takeya, 401
prolixa (Horváth), 398
punctata Lamarck, 129

TINGIS Fabricius—Continued

- pusilla* Fallén, 51
pusilla Herrich-Schaeffer, 49
pusilla (Jakovlev), 416
pyrioides Scott, 361
quinquecarinatus Germar and Berendt [fossil], 27
ragusana (Fieber), 407
reticulata Herrich-Schaeffer, 407
reuteri Horváth, 416
rhomboptera Fieber, 294
rotundata Herrich-Schaeffer, 307
rotundicollis (Jakovlev), 402
rotundipennis Horváth, 408
ruficornis Germar, 74
saueri Drake and Hambleton, 416
sexnebulosa Stål, 259
shaowuana Drake and Maa, 408
silvacata Drake, 402
similis (Douglas and Scott), 402
simplex Herrich-Schaeffer, 309
sinuata (Fieber), 392
sinuata Herrich-Schaeffer, 219
sinuaticollis (Jakovlev), 402
spinicollis Horváth, 206
spinifrons Fallén, 219
spinosa Dugès, 160
stachydis (Fieber), 416
steini Stål, 258
strictula (Puton), 403
stupidula Horváth, 403
suavis (Horváth), 403
subglobosa Herrich-Schaeffer, 217
sympathica (Horváth) [var.], 392
symphyti Vallot, 188
taurica (Jakovlev), 392
tecomae Monte, 403
tenuicornis (Jakovlev), 415
tenuimarginata Lindberg, 288
teretis Drake, 403
testacea Herrich-Schaeffer, 204
tiliae Walsh, 233
tonkinana Drake, 403
torpida (Horváth), 417
toxopesi Drake, 404
triangularis Blanchard, 385
trichonota (Puton), 408
trivirgata Horváth, 210
unicolor (Garbiglietti), 393

TINGIS Fabricius—Continued

- unicolor* Signoret, 201
uniformis Stål, 297
valida (Puton), 417
variolosus (Costa), 392
verna Fallén, 107
veteris Drake, 404
villosa (Costa), 413
virescens (Fabricius), 445
wollastoni China, 405
wollastoni Heer [fossil], 310
wuorentausi Lindberg, 291
Tingis sp. Berendt [fossil], 404
Tingis sp. Hope [fossil], 404
Tingis sp. Scudder [fossil], 404
Tingis sp. Serres [fossil], 404
 TINGIS subg. CAENOTINGIS Drake, 405
 TINGIS subg. LASIOTROPIS Stål, 405
 TINGIS subg. TROPIDOCHILA Fieber, 409
Tingis Laporte, [misident.], 353
Tingis Lethierry and Severin [misident.], 353
Tingis Uhler [misident.], 296
tingoana Drake, Tigava, 389
tingoides (Motschulsky), Cysteochila, 175
togularis Drake, Phatnoma, 38
togularis (Drake and Poor), Hurdchila, 245
toi (Drake), Ammianus, 89
tombeuri Schouteden, Cysteochila, 175
tonkinana Drake, Tingis, 403
tonkinana (Drake and Maa), Engyotingis, 206
tonkinana Drake and Maa, Phatnoma, 38
torpida (Horváth), Tingis, 417
torquata Drake and Poor, Perissonemia, 325
torresi Costa Lima, Gargaphia, 234
torta Drake, Parada, 320
toxopeusi Drake, Tingis, 404
 TRACHYPEPLUS Horváth, 417
 bakeri Drake, 418
 chinensis Drake and Poor, 418
 guinaicus Drake, 418
 idoneus Drake and Ruhoff, 418
 jacobsoni Horváth, 418
 malloti Drake and Poor, 418
translucida (Champion), Pliobyrsa, 344
translucida Monte, Corythucha, 161

- trepidans* (Drake), Conchotingis, 127
trepidantis (Drake) (*see* *trepidans*)
triangularis (Blanchard), Telconemia, 385
tricarinatus Drake [var.], Cantacader, 24
tricarinatus (Schouteden) [var.], Ammianus, 85
trichonota (Puton), Tingis, 408
trichoptera Stål, Gargaphia, 234
tricolor (Hacker) Cysteochila, 176
tricolor (Laporte), Agramma, 70
tricolor (Mayr), Telconemia, 385
triconula (Seidenstücker), Dictyla, 197
tricornis Horváth [misident.], Dictyonota, 437
tricornis (Schrank), Dictyonota, 12, 437
trilobata Drake and Poor, Diplocysta, 200
trinidadana Drake, Phatnoma, 38
triseriata Drake (*see* *tricarinatus*)
triseriata Stichel [var.], Acalypta, 51
tristis Van Duzee, Atheas, 94
trivirgata (Horváth), Eritingis, 210
tropica Hacker, Compseuta, 124
 TROPIDOCHILA Fieber [subg.], 409
 biseriata Schouteden [var.], 301
 maynei Schouteden, 301
 morio Stål, 378
 nyanzae Schouteden, 301
 ornatella Stål, 125
Tropidochila auct. (*see* *Tropidocheila*)
tropidopterum Flor, Agramma, 76
truncaticollis Costa, Dictyonota, 438
truncaticollis Puton [misident.], Dictyonota, 436
tuberosa (Horváth), Dictyla, 197
tumida (Champion), Phymacysta, 327
tumida Drake, Acanthocheila, 59
turanicum (Horváth), Agramma, 76
turgida Drake, Naochila, 303
turneri Drake, Lasiacantha, 257
tuthilli Drake, Corythucha, 161
tuthilli Drake and Carvalho, Gargaphia, 234
typica (Distant), Stephanitis, 4, 364
typicus Distant, Cnemiandrus, 31
typicus Distant, Corinthus, 132
typicus Distant, Nobarnus, 306

- TYPONOTUS* Uhler, 135
 planaris Uhler, 137
tyrianus Distant, Abdastartus, 43
tyrianus Drake [misident.], Abdastartus, 43
tzizikamana Drake, Cystechila, 176
ugandana (Drake), Gitava, 236
uhleri Drake and Bruner, Caloloma, 10, 102
uhleri Horváth, Galcatus, 14, 220
 UHLERITES Drake, 419
 debilis (Uhler), 419
 latius Takeya, 419
 x-nigrum (Lindberg), 419
uichancoi Drake, Phatnoma, 38
uichancoi (Drake and Poor), Dictyla, 197
ulmi Osborn and Drake, Corythucha, 161
 ULMUS Distant, 41
 engaeus Drake and Ruhoff, 41
 testudineatus Distant, 41
 ULOCYSTA Drake and Hambleton, 419
 praestabilis Drake and Hambleton, 419
 ULONEMIA Drake and Poor, 419
 aptata Drake, 420
 assamensis (Distant), 420
 concava Drake, 420
 decoris Drake, 420
 dignata (Drake and Poor), 420
 electa (Drake and Poor), 420
 leai Drake, 421
 malaccacae (Drake), 421
 mjobergi (Horváth), 421
 plesia Drake and Ruhoff, 421
 ULOTINGIS Drake and Hambleton, 421
 brasiliensis (Drake), 421
 decor Drake and Hambleton, 422
 nitor Drake and Hambleton, 422
 uniseriata (Drake), 422
umbrosa (Monte), Corythaica, 139
umbrosum (Horváth), Agramma, 76
undosa Drake, Cystechila, 176
undosa Drake and Bondar, Aepycysta, 62
undulata Heidemann, Gargaphia, 222
unicarinata Champion, Leptopharsa, 286
unicarinata Drake [var.], Phatnoma, 39
unicarinata (Hacker), Tigavaria, 390
unicolor (Garbiglietti), Tingis, 393
unicolor (Signoret), Dulinius, 201
unicostata (Mulsant and Rey), Mono-steira, 299
unifasciata Champion, Corythucha, 161
unifasciata Gibson [misident.], Corythucha, 161
uniformis Distant, Cantacader, 28
uniformis (Stål), Melanorhopala, 297
uniseriata Champion, Macrotingis, 294
uniseriata (Drake), Ulotingis, 422
uniseriata Hacker, Physatocheila, 338
uniseriata (Horváth), Horvathula, 244
uniseriata (Puton), Acalypta, 56
urbanus (Horváth), Aconchus, 60
 URENTIUS Distant, 422
 abutulinus Priesner and Alfieri, 423
 aegyptiacus Bergevin, 423
 chobauti Horváth, 422
 echinus Distant, 423
 euonymus Distant, 423
 euphorbiae Menon and Hakk, 423
 hoggari Bergevin, 423
 hystricellus (Richter), 423
 indicus Menon and Hakk, 423
 maculatus Drake, 423
 nana (Schumacher), 423
 olivaceus Distant, 423
 pusaensis Menon and Hakk, 423
 sarinae Hacker, 424
 sentis Distant, 423
 sidae Menon and Hakk, 424
 vepris Drake, 424
 zizyphifolius Menon and Hakk, 424
urundicus Schouteden, Ammianus, 90
usingeri Drake, Leptopharsa, 286
usumburana (Drake), Bako, 98
vadosa Drake, Cystechila, 176
vagans (Distant), Celantia, 118
valerioi Drake, Gargaphia, 234
valida Drake and Hambleton, Leptopharsa, 286
valida (Puton), Tingis, 417
validicornis Stål, Teleonemia, 386
vallis Drake, Corycera, 135
vandenplasi Schouteden, Cantacader, 29
vanderijsti (Schouteden), Ammianus, 90

- vanderysti (Schouteden), Agramma, 76
 vanduzeei Drake, Acalypta, 56
vanduzeei Drake, Teleonemia, 383
 vanduzeei Gibson, Gargaphia, 234
 vandykei Drake, Acalypta, 56
 varia Drake and Maa, Corythauma, 140
 variana Drake and Hambleton, Vatica,
 426
 varians Drake, Phatnoma, 39
 varianta (Drake) [var.], Vatica, 425
 variegata Champion, Teleonemia, 386
 variegata Monte, Leptopharsa, 286
 variegata Parshley, Physatocheila, 338
variolosus (Costa), Tingis, 392
 VATIGA Drake and Hambleton, 424
 cassiae (Drake and Hambleton), 424
 celebrata (Drake), 424
 illudens (Drake), 424
 lonchocarpa (Drake and Hambleton), 425
 longula (Drake), 425
 manihotae (Drake), 425
 pallidus (Barber), 425
 pauxilla (Drake and Poor), 426
 scoris (Drake and Hambleton), 426
 variana Drake and Hambleton, 426
 varianta (Drake) [var.], 425
 viscosana Drake and Hambleton, 426
 vegata Drake and Poor, Perissonemia,
 325
 vegrandis Drake and Hambleton, Eocader,
 32
 velifer (McAtee), Leptopharsa, 287
 veneris Drake, Teleonemia, 387
 venezolana Monte, Leptodictya, 269
 venosa Drake and Poor, Gargaphia, 234
 venusta (Champion), Corythaica, 139
 vepris Drake, Urentius, 424
 veridica Drake, Stephanitis, 365
 veridica Drake and Maa, Phatnoma, 39
 veridicus Drake and Maa, Penottus, 322
 verna (Fallén), Campylosteira, 107
 vernoniae Drake and Hambleton, Phatnoma,
 39
vesicarius (Lindberg), Cochlochila, 120
 vesiculata (Stål), Oncophysa, 311
vesiculifera (Fieber), Dictyla, 188
 vesiculosa (Champion), Phymacysta, 328
 veteris Drake, Epimixia, 207
 veteris Drake, Physatocheila, 338
 veteris Drake, Tingis, 404
 veterna (Scudder) [fossil], Dictyla, 10,
 197
 viadoi Drake and Maa, Cromerus, 163
 vianai Kormilev, Baecotingis, 96
 VIANAIDA* Kormilev, 443
 coleopterata Kormilev, 18, 444
 VIANAIDINAE Kormilev, 16, 18, 443
 vicarius (Drake), Haedus, 240
 vicina Drake and Poor, Leptopharsa, 287
 vicina Horváth [var.], Elasmotropis, 205
 vicinale (Drake), Agramma, 77
 vicinalis Drake and Poor, Nescocypselas,
 304
 vicinitas Drake, Ypsotingis, 443
vicinatis Drake and Poor (*see* *vicinalis*)
 vicinus Schouteden, Ammianus, 90
 vicosana Drake and Hambleton, Vatica,
 426
 vidua Van Duzee, Teleonemia, 387
 vilhenai Drake, Angolotingis, 90
 villiersi (Drake), Haedus, 240
villosa (Costa), Tingis, 413
 vinnula Drake, Australotingis, 95
 vinnula Drake and Hambleton [var.],
 Leptopharsa, 280
 vinsoni (Drake and Mamet), Nesotingis,
 305
 violina Drake and Ruhoff, Eritingis, 210
 virescens (Fabricius), Tingis, 445
 virtutis Drake and Poor, Eteoneus, 213
 visenda Drake and Hambleton, Acanthocheila,
 59
 visenda Drake and Poor, Cysteocheila, 176
 visendus Drake and Poor, Eteoneus, 213
 vitilevuana Drake and Poor, Cysteocheila,
 176
 vitrea Champion, Dicysta, 199
vitrea Takeya, Stephanitis, 367
 vittata Horváth, Epimixia, 208
 vittipennis (Stål), Leptopharsa, 287
 vota Drake, Cysteocheila, 177
 vriesiae Drake and Hambleton, Psilobyrssa,
 347
 vulcanorum (Schouteden), Dictyla, 197
 vulgata Drake, Leptodictya, 269

- vulgata Drake and Hambleton, Teleonemia, 387
- vulsa Drake and Hambleton, Teleonemia, 387
- vulsa Drake and Slater, Baichila, 97
- vulturina (Kirkaldy), Epimixia, 208
- vulturinum (Kirkaldy), Agramma, 77
- waelbroeckii (Schouteden), Sinuessa, 350
- wahlbergi (Stål), Ammianus, 90
- walcotti (Drake), Phymacysta, 327
- wechinai Drake, Cysteocheila, 177
- wechinai Drake, Kapiriella, 252
- weenenana Drake, Physatocheila, 338
- williamsi Drake, Leptodictya, 269
- williamsi (Drake), Oedotisingis, 308
- witmeri Mancini, Physatocheila, 339
- wolffii (Fieber), Dictyla, 185
- wollastoni China, Tingis, 405
- wollastoni (Heer) [fossil], Oncochila, 310
- WOMBALIA* Schouteden, 64
- vanderysti Schouteden, 76
- wuorentausi (Lindberg), Leptoypa, 291
- XENOTINGIS Drake, 426
- bakeri Drake, 426
- horni Drake, 426
- luzonana Drake, 427
- malkini Drake, 427
- papuana Drake, 427
- trepidantis Drake, 127
- x-nigrum* (Lindberg), Uhlerites, 419
- XYNOTINGIS Drake, 427
- hoytona Drake, 427
- yanchepana Drake, Ischnotingis, 250
- yapensis (Drake), Berotingis, 100
- yasumatsui Takeya, Stephanitis, 365
- yebo Schouteden, Lasiacantha, 257
- yemenana Drake, Cochlochila, 121
- YPSOTINGINI Drake and Ruhoff, 17, 428
- YPSOTINGIS Drake, 442
- bakeri Drake, 442
- bornea Drake, 443
- luzonana Drake, 443
- sideris Drake, 443
- tonkinana Drake and Maa, 206
- vicinatis Drake, 443
- yungana Drake and Maa Cysteocheila, 177
- yunnana Drake and Maa, Stephanitis, 365
- ZATINGIS Drake, 427
- extraria Drake, 427
- zavattarii Mancini, Cysteocheila, 177
- zavattarii (Mancini), Dictyla, 192
- ZEIRATINGIS Drake and Ruhoff, 427
- dissita Drake and Ruhoff, 428
- peirosa Drake and Ruhoff, 428
- ZELOTINGIS Drake and Hambleton, 428
- aspidospermae (Drake and Hambleton), 428
- zetana Drake, Cochlochila, 121
- ZETEKELLA Drake, 41
- minuscula (Barber), 41
- pulla Drake and Plaumann, 41
- zeteki Drake, 41
- zeteki Drake, Leptopharsa, 287
- zeteki Drake, Macrotingis, 294
- zeteki Drake, Zetekella, 41
- zeteki Drake and Froeschner, Anommatocoris, 18, 444
- zimmermani Drake and Poor, Corythotisingis, 140
- zizyphifolius Menon and Hakk, Urentius, 424
- ZOROTINGIS Drake and Ruhoff, 428
- scitula Drake and Ruhoff, 428
- zululandana Drake, Plerochila, 341

INDEX TO HOST PLANTS

[References to pp. 449-478 are to summary of host plants, arranged by family.]

- Abelmoschus esculentus*, 227, 467
Abies alba, 411, 469
Abutilon sp., 152, 231, 423, 467
 muticum, 423, 467
 pannosum, 423, 467
 umbellatum, 145, 467
Acacia sp., 306, 464
 cavenia, 122, 464
 riparia, 381, 464
Acalypha sp., 231, 459
 ACANTHACEAE, 449
Acanthus sp., 302, 449
Acer sp., 334, 449
 creticum, 333, 449
 obtusifolium, 333, 449
 pennsylvanicum, 157, 449
 platanoides, 334, 449
 pseudoplatanus, 334, 449
 saccharinum, 157, 449
 saccharum, 157, 449
 spicatum, 157, 449
 ACERACEAE, 449
Achyranthes aspera, 136, 449
Adelia acuminata, 291, 468
Adenocalymma sp., 198, 199, 451
 bracteatum, 327, 451
Adenostegia filifolia, 379, 380, 474
 pilosa, 379, 380, 474
Aechmea sp., 83, 346, 453
Aeschynomene sp., 94, 464
 falcata, 94, 464
 nivea, 94, 464
 AESCULACEAE, 449
Aesculus glabra, 141, 449
 hippocastunum, 141, 449
 octandra, 141, 449
 AGARICACEAE, 449
Ajuga sp., 254, 408, 410, 461
 chamaepestis, 405, 462
 genevensis, 405, 408, 462
 iva, 405, 462
 reptans, 408, 462
Alnus sp., 151, 158, 331, 450
 acuminata, 94, 147, 450
 crispa, 151, 450
 glutinosa, 158, 300, 331, 451
 incana, 143, 158, 331, 451
 montana, 331, 451
 nepalensis, 356, 451
 rugosa, 158, 451
Alpinia chinensis, 364, 478
 japonica, 364, 478
 nutans, 364, 478
 speciosa, 364, 478
Althaea rosea, 136, 467
 AMARANTACEAE, 449
Ambrosia sp., 226, 454
 artemisiifolia, 155, 454
 tenuifolia, 233, 454
 trifida, 154, 454
Amelanchier sp., 147, 470
 canadensis, 147, 470
 intermedia, 147, 153, 470
Amorpha fruticosa, 221, 281, 464
Amphiachyris sp., 232, 454
Amygdalus sp., 333, 360, 471
 communis, 300, 471
 ANACARDIACEAE, 449
Anchusa arvensis, 185, 452
 officinalis, 185, 308, 452
Andromedea sp., 364, 457
Andropogon sp., 242, 460
Anemopaegna prostratum, 59, 451
Anisacanthus thurberi, 376, 449

- Annona cherimola*, 379, 450
chrysophylla, 240, 450
coriacea, 248, 450
diversifolia, 151, 450
muricata, 151, 240, 364, 450
reticulata, 379, 450
squamosa, 151, 379, 450
 ANNONACEAE, 223, 280, 450
Antennaria sp., 259, 454
 dioica, 220, 454
Aperula citriodora, 364, 463
 APOCYNACEAE, 321, 450
 AQUIFOLIACEAE, 450
 ARACEAE, 450
Arachis hypogaea, 151, 464
 ARALIACEAE, 450
Aristolochia sp., 225, 450
 ARISTOLOCHIACEAE, 450
Armeria vulgaris, 432, 470
Arnebia cornuta, 331, 452
Arrabidaea sp., 340, 451
Artemisia sp., 47, 219, 397, 432, 439, 454
 absinthium, 398, 454
 campestris, 47, 49, 220, 398, 431, 432, 439, 454
 dracunculoides, 155, 454
 vulgaris, 220, 398, 432, 454
 vulgaris indica, 220, 454
Artocarpus incisa, 303, 468
 integrifolia, 78, 270, 287, 364, 365, 468
Aspidosperma sp., 292, 293, 450
 melanocalyx, 428, 450
 warmingii, 286, 450
Aster sp., 154, 454
 macrophyllus, 220, 454
Astragalus sp., 219, 464
Atamisquea emarginata, 151, 453
Ayenia magna, 145, 467
Azalea, *see* *Rhododendron*
Baccharis sp., 143, 454
 halimifolia, 143, 454
 mesoneura, 257, 258, 454
 pilularis, 155, 454
 pingraea, 122, 454
Ballota nigra, 415, 462
Balsamorhiza sagittata, 152, 454
Bambusa sp., 161, 260, 269, 307, 460
 vulgaris, 261, 460
Banksia robur minor, 442, 470
Baptisia tinctoria, 277, 464
Barleria cristata, 237, 449
 strigosa, 237, 449
Bathysa stipulata, 230, 449
Bauhinia sp., 425, 464
 purpurea, 166, 464
 variegata, 164, 464
Beloperone californica, 383, 449
 BERBERIDACEAE, 450
Betonica officinalis, 245, 462
Betula sp., 331, 451
 alba, 157, 451
 lenta, 157, 158, 451
 lutca, 151, 157, 158, 451
 nigra, 158, 451
 papyrifera, 157, 451
 populifolia, 158, 451
 BETULACEAE, 450
Bidens pilosa v. *radiata*, 280, 454
Bignonia exoleta, 59, 451
 BIGNONIACEAE, 58, 82, 198, 199, 339, 351, 352, 396, 451
Boehmeria cylindrica v. *drummondiana*, 280, 477
 spicata, 168, 477
 BOMBACACEAE, 451
Bombax sp., 387, 388, 451
 munguba, 32, 452
 BORAGINACEAE, 61, 452
Bredemeyera sp., 81, 470
 BROMELIACEAE, 453
Broussonetia papyrifera, 146, 468
Brunfelsia sp., 223, 228, 475
 hopeana, 223, 228, 475
Buddleia sp., 373, 466
 asiatica, 394, 466
Byrsonima sp., 401, 466
 sericea, 422, 466
 verbascifolia, 422, 466
Cacalia thunbergii, 121, 454
Cajanus indicus, 151, 231, 423, 464
Callicarpa americana, 372, 477
Callirhoe involucrata, 384, 467
Calluna sp., 47, 220, 457
 vulgaris, 49, 52, 53, 220, 358, 408, 457

- Camphora officinalis*, 346, 463
Canavalia ensiformis, 108, 151, 227, 229, 464
 obtusifolia, 234, 464
 CAPPARIDACEAE, 453
Capparis cynophallophora, 151, 453
 flexuosa, 151, 453
 CAPRIFOLIACEAE, 453
Carduus sp., 148, 391, 396, 404, 413, 454
 acanthoides, 396, 455
 crispus, 396, 455
 lanceolatus, 148, 358, 396, 455
 nutans, 396, 455
Carex sp., 54, 71, 75, 432, 457
Carica papaya, 151, 453
 CARICACEAE, 453
Carpinus caroliniana, 153, 451
Carthamus tinctorius, 120, 455
Carya sp., 144, 461
 illinoensis, 153, 461
 olivaeformis, 153, 461
 ovata, 144, 146, 461
 CARYOPHYLLACEAE, 453
Cassia sp., 110, 232, 280, 283, 373, 424, 464
 emarginata, 151, 464
 fistula, 227, 464
 imperialis, 227, 464
Cassinia leptophylla, 31, 455
Castanea americana, 142, 459
 sativa, 360, 459
Casuarina sp., 207, 454
 equisetifolia, 32, 454
 CASUARINACEAE, 454
Cattleya dowiana v. *aurea*, 343, 469
 schroederac, 36, 39, 469
Caucalis daucoides, 393, 476
Ceanothus sp., 156, 290, 298, 470
 americanus, 222, 298, 470
 cordulatus, 156, 470
 sanguineus, 156, 470
Ceiba pentandra, 388, 452
Celtis brasiliensis, 94, 158, 476
 crassifolia, 158, 476
 ferruginea, 158, 476
 mississippiensis, 145, 476
 occidentalis, 144, 476
Cenchrus glaucus, 98, 460
Centaurea paniculata, 400, 455
 rhenana, 400, 455
 solstitialis, 399, 455
Cephaelis hastiseipala, 275, 473
Cephalanthus sp., 147, 149, 473
 occidentalis, 147, 149, 473
Cerasus sp., 300, 471
Ceratonia sp., 205, 406, 464
 siliqua, 204, 464
Cercis canadensis, 233
Chaenomeles sp., 147, 471
 cathayensis, 357, 471
 japonica, 360, 471
Chamaedaphne sp., 146, 457
 CHENOPODIACEAE, 454
Chenopodium sp., 432, 454
Chilopsis sp., 372, 451
Chionanthus virginica, 291, 468
Chlorophora tinctoria, 273, 468
Chorisia sp., 387, 452
 speciosa, 227, 387, 452
Chrysanthemum sp., 115, 154, 218, 219, 331, 439, 455
 indicum, 221, 455
 leucanthemum, 115, 432, 455
Chuquiragua glabra, 326, 455
Cinchona sp., 381, 473
Cinnamomum camphora, 355, 364, 366, 463
 pedunculatum, 367, 463
Cirsium sp., 391, 398, 404, 408, 455
 arvense, 391, 455
 lanceolatum, 391, 396, 455
 palustre, 391, 396, 455
 vulgare, 396, 455
Cissampelos glaberrima, 225, 468
 tamoides, 225, 468
Cissus japonica, 165, 478
 CISTACEAE, 454
Cistus albidus, 422, 454
Citrus aurantium, 258, 473
 medica, 151, 473
Clerodendron sp., 317, 477
 buchholzi, 317, 477
 giletii, 314, 477
 micans, 315, 477
 phlomoides, 315, 477
 subreniforme, 317, 477

- CLIMACIACEAE, 454
Climacium americanum, 49, 454
 dendroides, 53, 432, 454
Clitoria mariana, 271, 464
Cnicus sp., 148, 455
Cnidocolus sp., 227, 459
Cocculus sp., 363, 468
 trilobus, 363, 468
Cochranea anchusaefolia, 193, 452
Coleus sp., 120, 462
Colocasia esculenta, 355, 450
COMPOSITAE, 454
Condylocarpon rauwolfiae, 286, 450
CONVOLVULACEAE, 457
Corchorus hirsutus, 136, 476
Cordia sp., 123, 182, 187, 190, 191, 193,
 301, 406, 452
 abyssinica, 123, 181, 244, 452
 alba, 181, 452
 alliodora, 191, 452
 chrysoarpa, 189, 244, 452
 corymbosa, 190, 193, 452
 curassavica, 193, 452
 cylindristachya, 193, 452
 gerascanthus, 191, 452
 millenii, 244, 452
 myxa, 124, 196, 452
 serrata, 187, 452
 tomentosa, 191, 452
 verbenacea, 193, 452
Corioliolus versicolor, 50, 53, 470
Cormus sp., 360, 471
 tschonoskii, 357, 471
Corylus sp., 143, 146, 451
 americana, 146, 151, 158, 451
 californica, 151, 451
 rostrata, 159, 451
Cotoneaster hupehensis, 147, 471
 integerrima, 360, 471
CRASSULACEAE, 457
Crataegus sp., 143, 147, 331, 333, 357,
 360, 471
 albicans, 143, 471
 coccinea, 147, 471
 cordata, 147, 471
 crus-galli, 147, 360, 471
 cuneata, 357, 471
 monogyna, 300, 333, 471
 neofluvialis, 143, 471
Crataegus—Continued
 oxyacantha, 333, 471
 parvifolia, 147, 471
 pruinosa, 143, 471
 punctata, 143, 471
 pyracantha, 360, 471
 tomentosa, 147, 471
Crepis tectorum, 415, 455
Croton sp., 223, 234, 239, 406, 459
 antisiphiliticus, 135, 459
 flavens, 285, 459
 lobatus, 231, 459
 pungens, 227, 459
 urucurana, 224, 459
Cucurbita moschata, 386, 457
CUCURBITACEAE, 457
CUPRESSACEAE, 457
Cupressus sp., 205, 457
Cydonia vulgaris, 147, 300, 360, 432, 471
Cynodon dactylon, 98, 460
Cynoglossum sp., 185, 192, 197, 308, 452
 creticum, 195, 452
 officinale, 185, 197, 452
CYPERACEAE, 66, 457
Cytisus scoparius, 439, 464

Dahlia sp., 151, 455
 parryi, 223, 455
 spinosa, 229, 455
Dahlstedtia pinnata, 132, 464
Dalbergia sp., 286, 464
Dalechampia ficifolia, 224, 459
Daucus carota, 393, 476
Davilla rugosa, 402, 457
Dendrocalamus strictus, 261, 460
Derris elliptica, 80, 81, 465
Desmodium sp., 92, 93, 279, 280, 465
DICHAPETALACEAE, 457
Dichapetalum cymosum, 311, 457
DILLENIACEAE, 457
Diodia conferta, 139, 473
Dolichos lablab, 108, 227, 465
Dorycnium suffruticosum, 326, 465
Dryas sp., 49, 471
Duranta repens, 380, 477

Echinops sp., 204, 455
 sphaerocephala, 154, 204, 455
 spinosa, 219, 408, 455

- Echinospermum lappula*, 194, 452
Echium sp., 186, 195, 308, 432, 439, 452
 altissimum, 185, 195, 452
 candicans, 189, 452
 creticum, 185, 452
 hypertropicum, 189, 452
 italicum, 185, 308, 452
 plantagineum, 192, 452
 pustulatum, 186, 453
 rubrum, 186, 308, 453
 sericeum, 192, 453
 stenosiphon, 189, 453
 vulgare, 47, 186, 308, 432, 439, 453
Egletes prostrata, 155, 455
Ehretia acuminata, 186, 453
 dicksonii, 186, 453
 elliptica, 186, 453
 laevis, 303, 453
 taiwaniana, 186, 453
 thyrsoflora, 186, 453
Elettaria cardamomum, 364, 478
Ephedra sp., 400, 460
Epidendrum cochleatum, 36, 469
Erica sp., 408, 457
 vulgaris, 218, 408, 457
ERICACEAE, 457
Erigeron canadensis, 155, 455
Eriodictyon californicum, 148, 461
Eriogonum sp., 139, 379, 470
Eriophorum sp., 76, 457
 angustifolium, 68, 457
Erodium sp., 49, 52, 53, 460
 cicutarium, 47, 460
Eryngium sp., 113, 116, 476
 amethystinum, 113, 476
 campestre, 113, 116, 117, 476
 maritimum, 113, 476
Erythrina berteriana, 151, 465
ERYTHROXYLACEAE, 459
Erythroxylon sp., 134, 135, 459
 deciduum, 272, 459
Eugenia rhombica, 246, 468
Eupatorium sp., 221, 455
 intermedium, 257, 258, 455
Euphorbia cyparissias, 310, 459
 gerardiana, 309, 310, 459
 heterophylla, 227, 459
EUPHORBIACEAE, 160, 231, 459
FAGACEAE, 459
Fagus grandifolia, 157, 459
Falcata comosa, 281, 465
Faranca sp., 274, 473
 montevicensis, 355, 473
Ferreira spectabilis, 108, 110, 465
Ficus sp., 302, 323, 388, 468
 elastica, 275, 468
 subtriplinervia, 275, 468
FLACOURTIACEAE, 460
Forsteronia sp., 275, 450
Fraxinus sp., 146, 291, 469
 americana, 291, 469
 berlandierana, 288, 469
 caroliniana, 289, 469
 mandshurica v. *japonica*, 291, 469
 oregona, 290, 469
 pubinervis, 291, 469
 rhynchophylla, 291, 469
 velutina, 290, 469
Galactites tomentosa, 396, 455
Galeopsis tetrahit, 415, 462
Galium sp., 254, 473
Genista sp., 115, 435, 465
 anglica, 434, 465
 scorpius, 435, 465
 tinctoria, 115, 465
GERANIACEAE, 460
Gleditsia triacanthos, 444, 465
Glochidion sp., 39, 459
Glycine max, 227, 465
Gmelina arborea, 405, 477
 leichardtii, 254, 477
GNETACEAE, 460
GOODENIACEAE, 460
Gossypium sp., 137, 139, 151, 233, 234, 467
 arborescens, 227, 467
 herbaceum, 232, 467
GRAMINEAE, 65, 92, 267, 279, 388, 460
Guettarda viburnoides, 313, 473
Gymnocarpus decandrum, 348, 453
Halogeton sativus, 192, 454
Hamamelis sp., 289, 461
HAMAMELIDACEAE, 461
Hedera helix, 432, 450
Hedychium sp., 364, 478
Helenium tenuifolium, 379, 455

- Helianthus* sp., 154, 155, 455
 annuus, 155, 233, 455
 tuberosus, 154, 455
Helichrysum angustifolium, 132, 456
 arenarium, 221, 456
 italicum, 130, 456
Helianthemum lippii, 423, 454
Heliotropium erosum, 439, 453
Hermannia micropetala, 424, 476
Hernandia sp., 363, 461
 HERNANDIACEAE, 461
Herniaria sp., 53, 453
 glabra, 218, 453
Heteromeles arbutifolia, 152, 471
Hevea sp., 165, 170, 459
 brasiliensis, 277, 459
Hibiscus sp., 151, 467
 esculentus, 151, 221, 227, 467
 rosa-sinensis, 151, 467
 syriacus, 234, 467
Hicoria alba, 289, 461
Hieracium sp., 218, 221, 254, 439, 456
 murorum, 52, 456
 pilosella, 49, 218, 219, 456
Hosackia crassifolia, 149, 465
Hoslundia sp., 196, 462
 oppositifolia, 302, 462
Humulus sp., 188, 415, 468
Hydrangea integra, 356, 474
 HYDROPHYLLACEAE, 461
Hymenaea stigonocarpa, 82, 465
Hymenoclea salsola, 383, 456
 HYPERICACEAE, 461
Hypericum sp., 115, 461

Ichnanthus leiocarpus, 62, 460
Ichthyomethia grandifolia, 286, 465
 piscipula, 151, 465
Ilex sp., 289, 450
Illicium religiosum, 363, 466
Indigofera sp., 299, 465
Ipomoea sp., 224, 234, 457
 batatas, 155, 259, 375, 457
 bonariensis, 233, 457
 fistulosa, 373, 457

Jacaranda paucifoliata, 386, 451
Jasminum sp., 341, 469
 dichotomum, 215, 469
 pubescens, 140, 469

Jatropha sp., 151, 459
 gossypifolia, 151, 459
 multifida, 151, 459
 urens, 228, 459
 JUGLANDACEAE, 461
Juglans cinerea, 153, 461
 nigra, 153, 461
 regia, 360, 461
 sieboldiana, 153, 461
 JUNCACEAE, 461
Juncus sp., 65, 66, 68, 71, 72, 75, 76, 432, 461
 acutus, 65, 461
 gerardi, 66, 461
 maritimus, 65, 71, 461
Juniperus sp., 333, 469
 communis, 411, 469
 foetidissima, 398, 469
 phoenicea, 130, 411, 469

Kalaharia (*Clerodendron*) *spinescens*, 319, 477
Kalmia angustifolia, 363, 457
 latifolia, 336, 361, 363, 457
Keiskea japonica, 131, 462
Kerria japonica, 357, 471
Kuhnistera sp., 281, 465

 LABIATAE, 253, 461
Lagascea mollis, 155, 456
Lagenaria leucantha, 151, 457
Lantana sp., 38, 124, 139, 140, 236, 240, 303, 373, 374, 375, 380, 386, 477
 aculeata, 384, 477
 brasiliensis, 384, 477
 camara, 161, 377, 381, 382, 384, 386, 477
 canescens, 382, 384, 385, 477
 involutrata, 382, 477
 montevidensis, 384, 477
Lappa minor, 415, 456
Lappula sp., 271, 453
Larix decidua, 436, 469
Lathyrus nuttallii, 148, 465
 LAURACEAE, 463
Launaea spinosa, 219, 456
Ledum palustre, 358, 457
 LEGUMINOSAE, 93, 283, 388, 389, 464
Leonurus cardiaca, 415, 462
Lespedeza sp., 271, 465

- Ligularia sibirica*, 121, 456
Ligustrum sp., 360, 469
 LILIACEAE, 466
Lindera citriodora, 364, 463
 glauca, 354, 463
 ostusiloba, 354, 364, 463
 sericea, 364, 463
 umbellata, 364, 463
Lippia alba, 384, 477
 juncea, 374, 477
Liriodendron sp., 298, 466
 LOGANIACEAE, 466
Lonchocarpus sp., 425, 465
 sericeus, 80, 465
Lonicera sp., 432, 453
Lucuma sp., 91, 474
Luzula campestris, 71, 461
Lycopersicum esculentum, 137, 138, 232,
 475
 LYCOPODIACEAE, 367, 466
Lycopsis arvensis, 186, 453
Lyonia neziki, 364, 457

Machaerium sp., 93, 108, 109, 110, 134,
 284, 465
 angustifolium, 92, 93, 465
 nictitans, 279, 465
 oblongifolium, 386, 465
 oblongifolium v. *subglabrum*, 386,
 465
 pedicellatum, 281, 465
 stipitatum, 276, 465
 villosum, 110, 465
Machilus sp., 367, 463
 gamblei, 356, 463
 longifolia, 356, 463
 pseudo-longifolia, 356, 463
 thunbergii, 355, 366, 367, 463
 MAGNOLIACEAE, 466
Mallotus philippinensis, 418, 459
Malpighia glabra, 327, 466
 punicifolia, 327, 467
 urens, 327, 467
 MALPIGHIACEAE, 466
Malus sp., 147, 357, 471
 communis, 360, 471
 floribunda, 357, 471
 manschurica, 288, 471
Malva sp., 226, 467

 MALVACEAE, 126, 294, 467
Malvaviscus arboreus, 284, 467
 drummondii, 102, 467
Manihot sp., 92, 425, 459
 dulcis, 425, 459
 esculenta, 425, 459
 utilissima, 227, 425, 459
Mansoa glaziovii, 199, 451
Marrubium sp., 413, 462
 valgare, 396, 413, 462
Medicago sp., 221, 465
 lupulina, 115, 466
Meibomia sp., 271, 466
 adscendens, 227, 466
 MELASTOMACEAE, 467
 MENISPERMACEAE, 468
Mentha sp., 120, 439, 462
Merostachys sp., 357, 460
Mespilus oxyacantha, 333, 471
Miconia sp., 272, 280, 467
Mikania sp., 259, 456
 auricularis, 233, 456
Mollinedia sp., 344, 468
 MONIMIACEAE, 468
Moquinia sp., 259, 456
 polymorpha, 259, 456
 MORACEAE, 468
Morinda sp., 201, 473
Morus rubra, 157, 468
Mosla punctata, 131, 462
Musa sp., 365, 468
 paradisiaca, 151, 468
 paradisiaca v. *sapientum*, 365, 366,
 468
 MUSACEAE, 468
 MYOPORACEAE, 468
Myoporum sandwicense, 384, 468
Myosotis sp., 184, 190, 194, 453
 cespitosa, 184, 453
 lingulata, 184, 453
 palustris, 184, 190, 194, 453
Myrica gale, 358, 468
 MYRICACEAE, 468
Myrocarpus fastigiatus, 61, 109, 466
 MYRTACEAE, 422, 468
Myrtillus niger, 358, 458
 uliginosus, 358, 458

Nectandra sp., 61, 463

- Nerium oleander*, 300, 450
Nicotiana tabacum, 57, 475
Notelaea longifolia, 215, 469
 NYCTAGINACEAE, 468

 OCHNACEAE, 468
Ocimum basilicum, 120, 462
 canum, 120, 462
 kilimandscharicum, 120, 462
 sanctum, 120, 462
Ocotea sp., 343, 463
 lanata, 343, 464
 pretiosa, 61, 281, 464
Olea sp., 114, 341, 469
 chrysophylla, 173, 469
 europaea, 215, 308, 340, 341, 469
 verrucosa, 174, 469
 OLEACEAE, 468
Olmediella betschleriana, 272, 460
Olyra sp., 261, 262, 265, 266, 268, 460, 461
 latifolia, 266, 461
 micrantha, 358, 461
Onopordon sp., 113, 456
Onosma sp., 192, 453
 echioides, 108, 453
 visianii, 195, 453
 ORCHIDACEAE, 469
Oryza sativa, 98, 461
Osmanthus americana, 290, 469
Ostrya carpinifolia, 329, 451
 virginiana, 146, 157, 451
Ouratea sp., 57, 468
Oxytropis sp., 49, 466

 PALMAE, 469
Panicum lindheimeri, 136, 461
 maximum, 263, 461
 repens, 98, 461
 turgidum, 325, 461
 PAPILIONACEAE, 108, 388, 389, 469
Parosela citriodora, 94, 466
 emoryi, 226, 466
Paspalum sp., 267, 461
Passiflora caerulea, 138, 227, 469
 foetida, 136, 469
 violacea, 227, 469
 PASSIFLORACEAE, 469
Peltogyne sp., 82, 466

Penstemon sp., 378, 474
Persea americana, 342, 464
 carolinensis, 346, 464
 gratissima, 346, 368, 464
Persica vulgaris, 300, 471
Petalostemon sp., 281, 466
 purpureum, 93, 466
Petasites japonica, 121, 456
Petastoma formosum, 199, 451
 samydoides, 199, 451
Phaseolus sp., 231, 234, 466
 limensis, 151, 466
 lunatus, 108, 227, 234, 466
 vulgaris, 108, 227, 233, 234, 466
Phlomis sp., 246, 462
 fruticosa, 406, 462
 herba-venti, 411, 462
 lynchitis, 245, 409, 462
 pungens, 414, 462
 tuberosa, 219, 462
Pholiota mutabilis, 53, 449
Phyllostachys castilloni, 265, 461
Phyllostylon rhamnoides, 180, 477
Phytolacca acinosa, 121, 469
 PHYTOLACCACEAE, 469
Pieris floribunda, 363, 458
 japonica, 363, 364, 458
 ovalifolia, 361, 364, 458
Pimelea sp., 311, 476
Pimenta pimenta, 246, 468
 PINACEAE, 469
Pinus sp., 333, 391, 469
 austriaca, 396, 470
 halepensis, 300, 470
 monophylla, 189, 470
 sylvestris, 358, 396, 436, 470
Piper nigrum, 178, 470
 PIPERACEAE, 470
Pipturus sp., 39, 477
Piriqueta ovata, 136, 476
Pisonia sp., 57, 468
 aculeata, 59, 468
 domingensis, 59, 468
 tomentosa, 57, 468
Pistacia sp., 204, 205, 406, 449, 450
Pithecoctenium echinatum, 377, 451
 PLANTAGINACEAE, 470
Plantago sp., 219, 470
 aristata, 379, 470

- Plantago—Continued
 cynops, 47, 470
 maritima, 66, 470
 media, 432, 470
 PLATANACEAE, 470
Platanus sp., 146, 470
 occidentalis, 146, 470
Pluchea indica, 155, 456
 PLUMBAGINACEAE, 470
Podophyllum peltatum, 157, 450
 POLYGALACEAE, 470
 POLYGONACEAE, 470
 POLYPORACEAE, 470
Polyporus hirsutus, 53, 470
 unicolor, 50, 470
 POLYTRICHACEAE, 470
Polytrichum sp., 49, 470
Populus sp., 155, 300, 360, 401, 411, 474
 alba, 300, 474
 balsamifera, 148, 474
 candicans, 290, 474
 grandidentata, 148, 474
 nigra, 300, 400, 401, 474
 tremula, 300, 331, 401, 474
 tremuloides, 148, 474
Posoqueria acutifolia, 283, 473
Potentilla sp., 117, 218, 471
 freyniana, 358, 472
Premna sp., 212, 477
 gaudichaudii, 100, 477
Protea sp., 349, 470
 PROTEACEAE, 470
Prunella vulgaris, 381, 462
Prunus sp., 300, 357, 472
 americana, 158, 472
 amygdalus, 300, 472
 armeniaca, 360, 472
 avium, 360, 472
 cerasus, 233, 300, 360, 472
 demissa, 157, 472
 domestica, 333, 472
 lusitanica, 360, 472
 mahaleb, 360, 472
 marasca, 360, 472
 padus, 331, 333, 472
 persica, 143, 151, 233, 300, 360, 472
 serotina, 143, 159, 233, 472
 spinosa, 333, 472
Psamma sp., 408, 461
Pseudospondias microparpa, 168, 450
Psidium sp., 227, 468
 guajava, 421, 468
Psychotria sp., 275, 283, 473
 hancorniaefolia, 278, 473
 suterella, 277, 473
Pulmonaria sp., 186, 453
Pyracantha coccinea, 147, 472
Pyrus sp., 357, 360, 472
 americana, 147, 157, 472
 aria, 360, 392, 472
 aucuparia, 147, 360, 472
 communis, 227, 233, 300, 329, 331,
 333, 360, 472
 malus, 142, 159, 300, 331, 333, 360,
 472
 mamorensis, 300, 472
 melanocarpa, 147, 472
 prunifolia, 158, 472
 ussuriensis, 288, 357, 472
Quercus sp., 48, 142, 147, 331, 432, 460
 acuminata, 142, 460
 acutissima, 419, 460
 alba, 142, 460
 coccifera, 298, 329, 360, 460
 dentata, 419, 460
 dilatata, 332, 460
 glandulifera, 419, 460
 ilex, 298, 329, 360, 460
 macrocarpa, 142, 460
 muchlenbergii, 142, 460
 prinoides, 142, 460
 prinus, 142, 460
 pubescens, 329, 460
 rubra, 142, 460
 serrata, 419, 460
 suber, 116, 460
Raphidophora merrillii, 162, 244, 450
 RHAMNACEAE, 470
Rhaphithamnus spinosus, 374, 477
Rhododendron sp., 355, 358, 359, 361,
 363, 458
 america, 363, 458
 amoena, 361, 458
 amurasaki, 361, 458
 Antoon van Welie, 363, 458
 benigeri, 361, 458

- Rhododendron—Continued
 calendulaceum, 361, 458
 caractacus, 363, 458
 Cunningham's White, 363, 458
 cynthia, 363, 458
 Dr. V. H. Rutgers, 363, 458
 everestianum, 363, 458
 fastuosum, 363, 458
 hatsugeri, 361, 458
 hinodegeri, 361, 458
 hollandia, 363, 458
 hymenanthes v. heptamerum, 356,
 458
 indica, 361, 458
 kaempferi, 361, 458
 ledifolia alba, 361, 458
 maximum, 363, 458
 Mme. de Bruin, 363, 458
 Mme. Carvalho, 363, 458
 Mme. Mason, 363, 458
 mollis, 361, 458
 Mr. R. S. Holford, 363, 458
 mucronatum, 361, 458
 obtusum amoenum, 361, 458
 parsons gloriosum, 363, 458
 Peter Koster, 363, 458
 pontica, 361, 458
 schlippenbachii, 361, 458
 shibori, 361, 458
 shirogeri, 361, 458
 Van der Hoop, 363, 458
 yedoense poukhanense, 361, 458
 yodogawa, 361, 458
- Rhus laurina, 379, 450
 toxicodendron, 157, 450
- Rhynchospora alba, 68, 71, 457
- Ribes sp., 155, 474
 nigrum, 360, 474
 oxyacanthoides, 143, 474
- Richardia brasiliensis, 139, 473
- Ricinus communis, 138, 151, 161, 227,
 459
- Robina pseudoacacia, 360, 466
- Rollinia silvatica, 248, 450
- Rosa sp., 227, 360, 473
- ROSACEAE, 470
- Roupala sp., 82, 133, 470
- Roystonea regia, 151, 469
- RUBIACEAE, 60, 273, 275, 276, 473
- Rubus sp., 153, 473
- Rudbeckia serotina, 154, 456
- Rudgea sp., 283, 284, 473
 blanchetiana, 281, 473
 villiflora, 276, 473
- RUTACEAE, 473
- Saccharum officinarum, 69, 261, 461
- SALICACEAE, 474
- Salix sp., 148, 155, 157, 298, 300, 364,
 401, 474
 discolor, 155, 474
 hookeriana, 155, 474
 korensis, 401, 474
 lasiandra, 159, 338, 474
 purpurea, 196, 474
 scouleriana, 159, 474
 sieboldiana, 157, 474
- Salsola pestifer, 139, 454
- Salvia azurea, 232, 462
 officinalis, 120, 462
 pitcheri, 232, 462
 verticillata, 408, 462
- SAPINDACEAE, 474
- SAPOTACEAE, 474
- Sarothamus sp., 434, 466
 scoparius, 436, 466
- Satureja montana, 255, 462
- SAXIFRAGACEAE, 474
- Scaevola koenigii, 319, 460
- Schoenus albus, 68, 71, 457
- Schrankia sp., 92, 466
- Scirpus holoschoenus, 65, 67, 457
- Scleria myricocarpa, 282, 457
- SCROPHULARIACEAE, 474
- Sechium edule, 386, 457
- Sedum acre, 439, 457
- Senecio sp., 415, 456
 jacobaea, 309, 408, 439, 456
- Serjania sp., 81, 82, 229, 231, 340, 474
- Serratula sp., 396, 456
 atriplicifolia, 401, 456
- Seseli glaucum, 113, 477
- Sicana odorifera, 386, 457
- Sickingia tinctoria, 230, 473
- Sida sp., 231, 234, 240, 467
 acuta, 231, 467
 cordifolia, 139, 423, 467

Sida—Continued

- glomerata, 139, 467
- procumbens, 136, 467
- rhombifolia, 139, 467
- ulmifolia, 139, 467

Sideritis sp., 417, 462

Silybum sp., 396, 456

Siparuna guianensis, 273, 468

SOLANACEAE, 475

Solanum sp., 149, 156, 222, 224, 226,

228, 232, 475

argillicolum, 138, 475

auriculatum, 224, 475

balbisii, 138, 475

bonariense, 138, 475

capicastrum, 230, 475

carolinense, 232, 475

concinnum, 225, 475

dulcamara, 221, 475

elaecagnifolium, 138, 232, 475

gilo, 138, 475

grandiflorum, 138, 475

hindsianum, 225, 475

hirtum, 138, 475

juripeba, 138, 475

lycopersicum, 138, 151, 475

melongena, 136, 138, 151, 229, 232,

423, 475

nigrum, 230, 475

nigrum americanum, 138, 475

paniculatum, 138, 475

pulverulentum, 138, 475

quitoense, 138, 475

racemiflorum, 138, 475

racemosum, 138, 475

sisymbriifolium, 138, 475

tabacifolium, 138, 475

torvum, 138, 151, 161, 389, 475

tuberosum, 138, 232, 233, 475

variabile, 138, 475

verbascifolium, 195, 475

Solidago sp., 154, 297, 456

sempervirens, 154, 456

Sorbus sp., 151, 153, 331, 473

americana, 153, 473

aria, 360, 473

aucuparia, 331, 473

cretica, 392, 473

Sorbus—Continued

intemedica, 331, 473

torminalis, 360, 473

Spartium sp., 115, 466

junceum, 52, 466

scoparium, 300, 434, 436, 466

Sphaeralcea sp., 160, 467

angustifolia, 379, 467

miniata, 137, 467

Stachys sp., 393, 407, 417, 462

annua, 417, 462

italica, 407, 462

recta, 393, 417, 462

salviaefolia, 407, 463

sylvatica, 415, 463

Staphylea trifolia, 144, 476

STAPHYLEACEAE, 476

Statice sp., 73, 393, 470

armeria, 218, 432, 470

Stephania hernandifolia, 362, 468

STERCULIACEAE, 476

Stigmaphyllon sp., 227, 467

Strobilanthes sp., 241, 449

Stylosanthes biflora, 93, 466

Styrax japonica, 364, 476

STYRACACEAE, 476

Swartzia sp., 280, 466

Symphyopappus reticulatus, 257, 258,

456

Symphytum sp., 186, 188, 194, 453

officinale, 188, 453

Synedrella nodiflora, 155, 456

Tamarindus indica, 167, 466

Tanacetum sp., 154, 456

Tecoma sp., 391, 403, 451

Tectona grandis, 121, 477

Tephrosia sp., 325, 466

Tetradenia dolichocarpa, 367, 464

Teucrium sp., 130, 132, 246, 463

canum, 130, 463

capitatum, 132, 463

chamaedrys, 130, 131, 132, 417, 463

flavum, 130, 463

marum, 130, 463

montanum, 130, 131, 132, 463

polium, 128, 132, 463

scordium, 130, 463

scorodonium, 130, 131, 463

supinum, 132, 463

- Thrinax wendlandiana*, 78, 469
 THYMELEACEAE, 476
Thymus sp., 47, 49, 53, 255, 310, 432, 439, 463
 montanus, 254, 463
 serpyllus, 47, 52, 53, 254, 432, 463
Tilia sp., 233, 360, 476
 americana, 153, 157, 233, 476
 pubescens, 233, 476
 TILIACEAE, 476
Torilis arvensis, 393, 477
Torrubia fragrans, 59, 468
Tournefortia sp., 190, 453
 sibirica, 191, 453
Trametes gibbosa, 50, 53, 470
Triumfetta sp., 234, 476
 flavescens, 125, 476
 grossulariaefolia, 161, 476
 rhombeaefolia, 89, 476
 rhomboidea, 149, 476
 semitriloba, 149, 476
 TURNERACEAE, 476
Typha latifolia, 65, 69, 476
 TYPHACEAE, 476

Ulex sp., 435, 436, 466
 ULMACEAE, 476
Ulmus sp., 158, 476
 americana, 151, 161, 476
 campestris, 360, 476
 effusa, 360, 476
 fulva, 151, 161, 476
 glabra camperdownii, 161, 476
 thomasii, 161, 476
 UMBELLIFERAE, 476
Urena lobata, 227, 240, 280, 467
 lobata v. sinuata, 240, 467
Urochloa reptans, 60, 461
 URTICACEAE, 146, 477
Uvaria rufa, 367, 450

 VACCINIACEAE, 477
Vaccinium sp., 289, 458
 myrtilus, 358, 360, 432, 458, 459
 uliginosum, 358, 459
 vitis-idaea, 358, 459
Vauquelinia californica, 159, 473
Verbascum sp., 391, 408, 439, 474
 phlomoides, 407, 474
 thapsus, 408, 474
Verbena sp., 379, 477
 VERBENACEAE, 477
Verbesina sp., 382, 456
 encelioides, 155, 456
Vernonia sp., 29, 35, 85, 141, 259, 456
 conferta, 84, 456
 polyanthes, 39, 373, 456
Viburnum tinus, 355, 453
Vigna sinensis, 108, 466
 VITACEAE, 478
Vitex heterophylla, 163, 477
 pubescens, 89, 478
 ruganda, 177, 478
 trifolia, 89, 394, 478
Vriesia hoehniana, 347, 453

Wedelia jacquini, 155, 456
Wissadula sp., 231, 233, 467

Xanthium sp., 155, 384, 456
 canadense, 155, 456
Xolisma ferruginea, 290, 459

Yucca arborescens, 144, 466

Zanthoxylum martinicense, 151, 473
Zea mays, 159, 461
Zingiber kawagooi, 365, 478
 mioga, 365, 478
 ZINGIBERACEAE, 478
Zinnia elegans, 234, 456
Zizyphus jujuba, 299, 470
 spina-christi, 299, 470
Zornia diphylla, 277, 466

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